Exons	17100..17228, 17202..17285, 17207..17284, 17328..17507, 17340..17384, 17358..17444, 17523..17642		
Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o4.ts	Method	TBLASTX:Soybean
Start	17361	End	17746
GI	none	Score	156
Exons	17361..17507, 17426..17470, 17523..17744, 17528..17590, 17669..17746		
Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o4.tc	Method	TBLASTX:Cress
Start	20859	End	21194
GI	none	Score	204
Exons	20859..21194, 20978..21124		
Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o3.tm	Method	TBLASTX:Maize
Start	20886	End	21302
GI	none	Score	305
Exons	20886..21302, 20888..21265, 20898..21302		
Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o1.ts	Method	TBLASTX:Soybean
Start	20946	End	21671
GI	none	Score	424
Exons	20946..21527, 20946..21350, 21368..21499, 21564..21671, 21567..21671		
Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o1.tw	Method	TBLASTX:Wheat
Start	21120	End	21548
GI	none	Score	208
Exons	21120..21548		
Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o7.tm	Method	TBLASTX:Maize
Start	23863	End	23998
GI	none	Score	185
Exons	23863..23988, 23867..23998		
Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o1.tc	Method	TBLASTX:Cress

Start	23867	End	24673
GI	none	Score	163
Exons	23867..23998, 24145..24597, 24146..24598, 24616..24669, 24617..24673		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o2.ts	Method	TBLASTX:Soybean
Start	23867	End	24595
GI	none	Score	105
Exons	23867..23992, 24149..24205, 24166..24366, 24263..24367, 24344..24595, 24427..24588		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o2.tm	Method	TBLASTX:Maize
Start	24178	End	24730
GI	none	Score	45
Exons	24178..24588, 24179..24205, 24263..24604, 24617..24730, 24623..24673		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o4.tm	Method	TBLASTX:Maize
Start	25534	End	28144
GI	none	Score	107
Exons	25534..25611, 25535..25606, 25537..25611, 25612..25665, 26004..26159, 26032..26148, 27099..27179, 27099..27179, 27100..27180, 27100..27180, 27328..27390, 27331..27393, 27453..27581, 27460..27582, 27472..27582, 27476..27613, 27660..27710, 27662..27709, 27894..28067, 27905..27988, 27908..28144, 27910..28089		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o5.ts	Method	TBLASTX:Soybean
Start	27114	End	28080
GI	none	Score	89
Exons	27114..27173, 27115..27177, 27330..27389, 27331..27393, 27331..27390, 27456..27581, 27463..27582, 27472..27582, 27473..27613, 27660..27713, 27662..27709, 27996..28067, 27997..28080		

Seq. No.	47323	Seq. ID	OJ000314_09.0405.C7
Gene No.	100662	Strand	-
Start	27974	End	28403
Name	OJ000314_09.0405.C7.o8.gp	Method	AAT/GAP
Start	27974	End	28403
GI	2312543	Score	786
Exons	27974..28403		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100663	Strand	+

Start	757	End	1395
Name	OJ000314_09.0405.C8.o1.gp	Method	AAT/GAP
Start	757	End	1395
GI	14911_1.R1084	Score	842
Exons	757..822, 901..965, 1057..1395		
GI Descrip.	'2342735 3.0e-42 (AC002341) unknown protein [Arabidopsis thaliana]'		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100663	Strand	+
Start	757	End	1395
Name	OJ000314_09.0405.C8.o1.gs	Method	GENSCAN
Start	760	End	1164
GI	none	Score	.69
Exons	760..822, 880..965, 994..1164		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100663	Strand	+
Start	757	End	1395
Name	OJ000314_09.0405.C8.o1.np	Method	AAT/NAP
Start	760	End	1149
GI	2342735	Score	177
Exons	760..822, 901..965, 1057..1149		
GI Descrip.	(AC002341) unknown protein [Arabidopsis thaliana]		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100664	Strand	-
Start	2940	End	3017
Name	OJ000314_09.0405.C8.o2.gp	Method	AAT/GAP
Start	2940	End	3017
GI	90742_1.R1084	Score	98
Exons	2940..3017		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100665	Strand	-
Start	3312	End	5198
Name	OJ000314_09.0405.C8.o2.tm	Method	TBLASTX:Maize
Start	755	End	1104
GI	none	Score	94
Exons	755..823, 759..824, 787..825, 891..977, 902..964, 903..968, 1054..1101, 1054..1104		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100665	Strand	-
Start	3312	End	5198
Name	OJ000314_09.0405.C8.o3.ts	Method	TBLASTX:Soybean
Start	755	End	1101
GI	none	Score	50
Exons	755..799, 755..820, 759..821, 891..968, 900..977, 910..978, 1054..1101, 1054..1101		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100665	Strand	-
Start	3312	End	5198
Name	OJ000314_09.0405.C8.o2.gs	Method	GENSCAN

Start	3312	End	5026
GI	none	Score	.69
Exons	3312..3830, 4204..4365, 4466..5026		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100665	Strand	-
Start	3312	End	5198
Name	OJ000314_09.0405.C8.o2.np	Method	AAT/NAP
Start	3315	End	5038
GI	231654	Score	1245
Exons	3315..3830, 4204..4365, 4442..5038		
GI Descrip.	BRITTLE-1 PROTEIN PRECURSOR gi|82676|pir||JQ1459 Bt1 protein precursor - maize gi|168426 (M79333) brittle-1 protein [Zea mays]		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100665	Strand	-
Start	3312	End	5198
Name	OJ000314_09.0405.C8.o1.tm	Method	TBLASTX:Maize
Start	3393	End	4648
GI	none	Score	68
Exons	3393..3536, 3396..3656, 3409..3453, 3496..3651, 3657..3842, 3660..3803, 3678..3830, 3706..3843, 4204..4317, 4205..4318, 4448..4648		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100665	Strand	-
Start	3312	End	5198
Name	OJ000314_09.0405.C8.o1.ts	Method	TBLASTX:Soybean
Start	3393	End	4648
GI	none	Score	51
Exons	3393..3584, 3396..3527, 3409..3453, 3531..3836, 3532..3648, 3678..3821, 3715..3744, 4562..4648		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100665	Strand	-
Start	3312	End	5198
Name	OJ000314_09.0405.C8.o1.tc	Method	TBLASTX:Cress
Start	3396	End	4660
GI	none	Score	165
Exons	3396..3590, 3409..3648, 3678..3824, 4562..4660		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100665	Strand	-
Start	3312	End	5198
Name	OJ000314_09.0405.C8.o1.tw	Method	TBLASTX:Wheat
Start	3396	End	4639
GI	none	Score	65
Exons	3396..3659, 3409..3453, 3496..3651, 3678..3830, 4556..4639		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100665	Strand	-
Start	3312	End	5198
Name	OJ000314_09.0405.C8.o2.ts	Method	TBLASTX:Soybean
Start	4204	End	4543
GI	none	Score	66
Exons	4204..4371, 4211..4354, 4442..4543		

Seq. No.	47324	Seq. ID	OJ000314_09.0405.C8
Gene No.	100665	Strand	-
Start	3312	End	5198
Name	OJ000314_09.0405.C8.o3.gp	Method	AAT/GAP
Start	4726	End	5198
GI	none	Score	686
Exons	4726..5071, 5139..5198		

Seq. No.	47325	Seq. ID	OJ000314_09.0405.C9
Gene No.	100666	Strand	+
Start	150	End	7693
Name	OJ000314_09.0405.C9.o1.gs	Method	GENSCAN
Start	150	End	2473
GI	none	Score	.77
Exons	150..317, 633..682, 2044..2332, 2429..2473		

Seq. No.	47325	Seq. ID	OJ000314_09.0405.C9
Gene No.	100666	Strand	+
Start	150	End	7693
Name	OJ000314_09.0405.C9.o1.np	Method	AAT/NAP
Start	1257	End	4354
GI	7340868	Score	207
Exons	1257..1278, 2936..3124, 4300..4354		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	47325	Seq. ID	OJ000314_09.0405.C9
Gene No.	100666	Strand	+
Start	150	End	7693
Name	OJ000314_09.0405.C9.o1.gp	Method	AAT/GAP
Start	2822	End	3143
GI	LIB3432-058-P1-K1-E12	Score	341
Exons	2822..3143		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 8.0e-31 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47325	Seq. ID	OJ000314_09.0405.C9
Gene No.	100666	Strand	+
Start	150	End	7693
Name	OJ000314_09.0405.C9.o2.gs	Method	GENSCAN
Start	4207	End	7693
GI	none	Score	.75
Exons	4207..4356, 4470..4565, 4863..4942, 5566..5665, 5943..6053, 6699..6858, 7257..7348, 7469..7693		

Seq. No.	47325	Seq. ID	OJ000314_09.0405.C9
Gene No.	100666	Strand	+
Start	150	End	7693
Name	OJ000314_09.0405.C9.o1.tm	Method	TBLASTX:Maize
Start	7318	End	7693
GI	none	Score	161
Exons	7318..7359, 7469..7579, 7469..7561, 7470..7577, 7583..7693, 7586..7693		

Seq. No.	47326	Seq. ID	OJ000314_09.0405.C10
Gene No.	100667	Strand	+
Start	176	End	571

Name	OJ000314_09.0405.C10.o1.gs	Method	GENSCAN
Start	176	End	571
GI	none	Score	.48
Exons	176..292, 365..571		

Seq. No.	47327	Seq. ID	OJ000314_09.0405.C16
Gene No.	100668	Strand	+
Start	1568	End	2040
Name	OJ000314_09.0405.C16.o1.tw	Method	TBLASTX:Wheat
Start	450	End	1918
GI	none	Score	51
Exons	450..500, 1567..1740, 1571..1756, 1571..1756, 1868..1918		

Seq. No.	47327	Seq. ID	OJ000314_09.0405.C16
Gene No.	100668	Strand	+
Start	1568	End	2040
Name	OJ000314_09.0405.C16.o1.tm	Method	TBLASTX:Maize
Start	1559	End	1963
GI	none	Score	414
Exons	1559..1963, 1561..1950		

Seq. No.	47327	Seq. ID	OJ000314_09.0405.C16
Gene No.	100668	Strand	+
Start	1568	End	2040
Name	OJ000314_09.0405.C16.o1.np	Method	AAT/NAP
Start	1568	End	2040
GI	6069646	Score	274
Exons	1568..2040		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	47328	Seq. ID	OJ000314_09.0405.C18
Gene No.	100669	Strand	+
Start	10459	End	12440
Name	OJ000314_09.0405.C18.o2.gp	Method	AAT/GAP
Start	10459	End	12440
GI	5501_1.R1084	Score	1675
Exons	10459..10548, 10770..11196, 11912..11982, 12086..12440		
GI Descrip.	'5679336/gb|AAD46926.1|AF171223_1 6.0e-40 (AF171223) putative zinc finger protein [Oryza sativa]'		

Seq. No.	47328	Seq. ID	OJ000314_09.0405.C18
Gene No.	100669	Strand	+
Start	10459	End	12440
Name	OJ000314_09.0405.C18.o2.np	Method	AAT/NAP
Start	10775	End	11993
GI	5803246	Score	408
Exons	10775..10898, 10941..11196, 11912..11993		
GI Descrip.	(AP000399) ESTs AU077984(C62969),D41648(S4289), AU063584(C62969) correspond to a region of the predicted gene; similar to putative Ser/Thr protein kinase (AC003105) [Oryza sativa]		

Seq. No.	47328	Seq. ID	OJ000314_09.0405.C18
Gene No.	100670	Strand	-

Start	1	End	4755
Name	OJ000314_09.0405.C18.o1.np	Method	AAT/NAP
Start	1	End	4480
GI	4680191	Score	41
Exons	1..21, 2927..3021, 4423..4480		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	47328	Seq. ID	OJ000314_09.0405.C18
Gene No.	100670	Strand	-
Start	1	End	4755
Name	OJ000314_09.0405.C18.o1.gs	Method	GENSCAN
Start	698	End	2512
GI	none	Score	.43
Exons	698..807, 1601..1692, 2367..2512		

Seq. No.	47328	Seq. ID	OJ000314_09.0405.C18
Gene No.	100670	Strand	-
Start	1	End	4755
Name	OJ000314_09.0405.C18.o2.gs	Method	GENSCAN
Start	2812	End	4755
GI	none	Score	.69
Exons	2812..3015, 4462..4755		

Seq. No.	47328	Seq. ID	OJ000314_09.0405.C18
Gene No.	100671	Strand	-
Start	5006	End	5581
Name	OJ000314_09.0405.C18.o3.gs	Method	GENSCAN
Start	5006	End	5581
GI	none	Score	.81
Exons	5006..5581		

Seq. No.	47328	Seq. ID	OJ000314_09.0405.C18
Gene No.	100672	Strand	-
Start	14948	End	15797
Name	OJ000314_09.0405.C18.o1.tm	Method	TBLASTX:Maize
Start	10747	End	12011
GI	none	Score	47
Exons	10747..10800, 10753..10860, 10778..10870, 10962..11057, 10970..11155, 10976..11143, 11000..11068, 11107..11154, 11155..11196, 11156..11197, 11904..11987, 11909..11989, 11910..11990, 11917..11991, 11985..12011		

Seq. No.	47328	Seq. ID	OJ000314_09.0405.C18
Gene No.	100672	Strand	-
Start	14948	End	15797
Name	OJ000314_09.0405.C18.o1.ts	Method	TBLASTX:Soybean
Start	10778	End	11995
GI	5677740	Score	112
Exons	10778..10870, 10795..10860, 10969..10998, 10982..10996, 10997..11104, 10999..11034, 11000..11044, 11134..11196, 11162..11197, 11883..11987, 11909..11995, 11910..11978		
GI Descrip.	2760836 8.0e-54 (AC003105) putative Ser/Thr protein kinase [Arabidopsis thaliana]		

Seq. No.	47328	Seq. ID	OJ000314_09.0405.C18
Gene No.	100672	Strand	-

Start	14948	End	15797
Name	OJ000314_09.0405.C18.o1.tc	Method	TBLASTX:Cress
Start	10780	End	11990
GI	none	Score	131
Exons	10780..10857, 10790..10867, 10969..11004, 10970..11005, 10997..11089, 10998..11057, 11919..11990		

Seq. No.	47328	Seq. ID	OJ000314_09.0405.C18
Gene No.	100672	Strand	-
Start	14948	End	15797
Name	OJ000314_09.0405.C18.o3.gp	Method	AAT/GAP
Start	14670	End	15123
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	14670..15123		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	47328	Seq. ID	OJ000314_09.0405.C18
Gene No.	100672	Strand	-
Start	14948	End	15797
Name	OJ000314_09.0405.C18.o3.np	Method	AAT/NAP
Start	14924	End	15108
GI	7228442	Score	241
Exons	14924..15108		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	47328	Seq. ID	OJ000314_09.0405.C18
Gene No.	100672	Strand	-
Start	14948	End	15797
Name	OJ000314_09.0405.C18.o5.gs	Method	GENSCAN
Start	14948	End	15708
GI	none	Score	.57
Exons	14948..15108, 15259..15461, 15466..15513, 15577..15708		

Seq. No.	47328	Seq. ID	OJ000314_09.0405.C18
Gene No.	100672	Strand	-
Start	14948	End	15797
Name	OJ000314_09.0405.C18.o4.np	Method	AAT/NAP
Start	15227	End	15797
GI	5441880	Score	575
Exons	15227..15461, 15577..15797		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	47329	Seq. ID	OJ000314_09.0405.C19
Gene No.	100673	Strand	-
Start	1	End	5211
Name	OJ000314_09.0405.C19.o1.np	Method	AAT/NAP
Start	1	End	5124
GI	7228438	Score	5497
Exons	1..292, 385..643, 720..1018, 1111..1521, 1607..1705, 3163..5124		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	47329	Seq. ID	OJ000314_09.0405.C19
Gene No.	100673	Strand	-
Start	1	End	5211
Name	OJ000314_09.0405.C19.o1.gs	Method	GENSCAN
Start	110	End	5211
GI	none	Score	.53
Exons	110..292, 385..643, 720..1018, 1111..1521, 1697..1943, 2049..2199, 2583..5211		

Seq. No.	47329	Seq. ID	OJ000314_09.0405.C19
Gene No.	100673	Strand	-
Start	1	End	5211
Name	OJ000314_09.0405.C19.o1.gp	Method	AAT/GAP
Start	393	End	892
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	393..643, 720..892		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	47329	Seq. ID	OJ000314_09.0405.C19
Gene No.	100673	Strand	-
Start	1	End	5211
Name	OJ000314_09.0405.C19.o1.tw	Method	TBLASTX:Wheat
Start	3523	End	3903
GI	none	Score	79
Exons	3523..3699, 3553..3699, 3584..3703, 3697..3894, 3709..3903		

Seq. No.	47329	Seq. ID	OJ000314_09.0405.C19
Gene No.	100673	Strand	-
Start	1	End	5211
Name	OJ000314_09.0405.C19.o1.tm	Method	TBLASTX:Maize
Start	3601	End	4197
GI	none	Score	154
Exons	3601..3672, 3736..4035, 3797..4018, 4069..4197, 4091..4189		

Seq. No.	47329	Seq. ID	OJ000314_09.0405.C19
Gene No.	100673	Strand	-
Start	1	End	5211
Name	OJ000314_09.0405.C19.o2.gp	Method	AAT/GAP
Start	3723	End	4154
GI	5701669	Score	837
Exons	3723..4154		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	47330	Seq. ID	OJ000314_09.0405.C20
Gene No.	100674	Strand	+
Start	692	End	1294
Name	OJ000314_09.0405.C20.o1.gs	Method	GENSCAN
Start	692	End	1294
GI	none	Score	.89
Exons	692..1294		

Seq. No.	47331	Seq. ID	OJ000224_03.0404.C5

Gene No.	100675	Strand	-
Start	12	End	2569
Name	OJ000224_03.0404.C5.o1.np	Method	AAT/NAP
Start	12	End	1767
GI	399096	Score	210
Exons	12..114, 1538..1767		
GI Descrip.	AGAMOUS PROTEIN gi|322650|pir||A43484 probable transcription factor BAG1 - rape gi|167126|gb|AAA32985.1| (M99415) BAG1 [Brassica napus]		

Seq. No.	47331	Seq. ID	OJ000224_03.0404.C5
Gene No.	100675	Strand	-
Start	12	End	2569
Name	OJ000224_03.0404.C5.o1.gs	Method	GENSCAN
Start	1492	End	2569
GI	none	Score	.7
Exons	1492..1510, 1538..1746, 2505..2569		

Seq. No.	47331	Seq. ID	OJ000224_03.0404.C5
Gene No.	100675	Strand	-
Start	12	End	2569
Name	OJ000224_03.0404.C5.o1.tc	Method	TBLASTX:Cress
Start	1533	End	1859
GI	none	Score	35
Exons	1533..1553, 1538..1681, 1540..1689, 1589..1717, 1600..1686, 1827..1859		

Seq. No.	47331	Seq. ID	OJ000224_03.0404.C5
Gene No.	100675	Strand	-
Start	12	End	2569
Name	OJ000224_03.0404.C5.o1.tw	Method	TBLASTX:Wheat
Start	1537	End	1697
GI	none	Score	120
Exons	1537..1689, 1541..1672, 1600..1689, 1617..1697		

Seq. No.	47331	Seq. ID	OJ000224_03.0404.C5
Gene No.	100675	Strand	-
Start	12	End	2569
Name	OJ000224_03.0404.C5.o1.tm	Method	TBLASTX:Maize
Start	1538	End	1715
GI	none	Score	171
Exons	1538..1681, 1540..1689, 1592..1708, 1600..1689, 1617..1715		

Seq. No.	47331	Seq. ID	OJ000224_03.0404.C5
Gene No.	100675	Strand	-
Start	12	End	2569
Name	OJ000224_03.0404.C5.o1.ts	Method	TBLASTX:Soybean
Start	1538	End	1737
GI	none	Score	152
Exons	1538..1681, 1540..1689, 1600..1737		

Seq. No.	47331	Seq. ID	OJ000224_03.0404.C5
Gene No.	100675	Strand	-
Start	12	End	2569
Name	OJ000224_03.0404.C5.o1.gp	Method	AAT/GAP
Start	2274	End	2336
GI	uC-osflcyp061g02b1	Score	81

Exons	2274..2336		
GI Descrip.	'2130078/pir||S59480 3.0e-44 MADS-box protein 3 - rice >gi_886405 (L37528) MADS box protein [Oryza sativa]'		
Seq. No.	47332	Seq. ID	OJ000224_03.0404.C6
Gene No.	100676	Strand	-
Start	419	End	1129
Name	OJ000224_03.0404.C6.o1.gs	Method	GENSCAN
Start	419	End	1129
GI	none	Score	.53
Exons	419..424, 1014..1129		
Seq. No.	47333	Seq. ID	OJ000224_03.0404.C7
Gene No.	100677	Strand	+
Start	525	End	749
Name	OJ000224_03.0404.C7.o1.np	Method	AAT/NAP
Start	525	End	749
GI	2130078	Score	57
Exons	525..749		
GI Descrip.	MADS-box protein 3 - rice gi|886405|gb|AAA99964.1| (L37528) MADS box protein [Oryza sativa]		
Seq. No.	47334	Seq. ID	OJ000224_03.0404.C9
Gene No.	100678	Strand	+
Start	326	End	498
Name	OJ000224_03.0404.C9.o1.gs	Method	GENSCAN
Start	326	End	498
GI	none	Score	.52
Exons	326..498		
Seq. No.	47335	Seq. ID	OJ000224_03.0404.C17
Gene No.	100679	Strand	-
Start	72	End	3187
Name	OJ000224_03.0404.C17.o1.gs	Method	GENSCAN
Start	72	End	3187
GI	none	Score	.56
Exons	72..252, 545..621, 728..761, 1465..1878, 1883..2030, 2078..2172, 3039..3187		
Seq. No.	47335	Seq. ID	OJ000224_03.0404.C17
Gene No.	100680	Strand	-
Start	3583	End	9818
Name	OJ000224_03.0404.C17.o1.gp	Method	AAT/GAP
Start	3583	End	5745
GI	4716623	Score	968
Exons	3583..3935, 5440..5487, 5633..5745		
GI Descrip.	2305113/gb|AAB65698.1| 2.0e-24 (AF009959) metallothionein-like protein [Oryza sativa]		
Seq. No.	47335	Seq. ID	OJ000224_03.0404.C17
Gene No.	100680	Strand	-
Start	3583	End	9818
Name	OJ000224_03.0404.C17.o1.np	Method	AAT/NAP
Start	3839	End	5682
GI	2305113	Score	271
Exons	3839..3935, 5441..5487, 5633..5682		
GI Descrip.	(AF009959) metallothionein-like protein [Oryza sativa]		

Seq. No.	47335	Seq. ID	OJ000224_03.0404.C17
Gene No.	100680	Strand	-
Start	3583	End	9818
Name	OJ000224_03.0404.C17.o2.gs	Method	GENSCAN
Start	4494	End	9818
GI	none	Score	.57
Exons	4494..4649, 4802..5030, 5440..5487, 5633..5799, 9789..9818		

Seq. No.	47335	Seq. ID	OJ000224_03.0404.C17
Gene No.	100681	Strand	-
Start	13245	End	17813
Name	OJ000224_03.0404.C17.o4.gs	Method	GENSCAN
Start	13245	End	17813
GI	none	Score	.59
Exons	13245..13301, 14227..14505, 14599..14798, 15033..15633, 15751..15880, 16111..16381, 16717..16763, 17695..17813		

Seq. No.	47335	Seq. ID	OJ000224_03.0404.C17
Gene No.	100682	Strand	-
Start	18673	End	19509
Name	OJ000224_03.0404.C17.o5.gs	Method	GENSCAN
Start	18673	End	19509
GI	none	Score	.83
Exons	18673..19209, 19447..19509		

Seq. No.	47335	Seq. ID	OJ000224_03.0404.C17
Gene No.	100682	Strand	-
Start	18673	End	19509
Name	OJ000224_03.0404.C17.o2.np	Method	AAT/NAP
Start	18676	End	19156
GI	3643605	Score	232
Exons	18676..18717, 18748..19156		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47336	Seq. ID	OJ000224_03.0404.C18
Gene No.	100683	Strand	-
Start	350	End	1069
Name	OJ000224_03.0404.C18.o1.np	Method	AAT/NAP
Start	350	End	1069
GI	4512242	Score	806
Exons	350..761, 790..1069		
GI Descrip.	(AB014750) polyprotein [Nicotiana tabacum]		

Seq. No.	47336	Seq. ID	OJ000224_03.0404.C18
Gene No.	100683	Strand	-
Start	350	End	1069
Name	OJ000224_03.0404.C18.o1.gs	Method	GENSCAN
Start	405	End	1013
GI	none	Score	.97
Exons	405..706, 798..1013		

Seq. No.	47336	Seq. ID	OJ000224_03.0404.C18
Gene No.	100683	Strand	-
Start	350	End	1069
Name	OJ000224_03.0404.C18.o1.tw	Method	TBLASTX:Wheat
Start	418	End	770

GI	none	Score	220
Exons	418..663, 418..564, 426..746,	426..770	

Seq. No.	47336	Seq. ID	OJ000224_03.0404.C18
Gene No.	100683	Strand	-
Start	350	End	1069
Name	OJ000224_03.0404.C18.o1.tm	Method	TBLASTX:Maize
Start	459	End	927
GI	none	Score	130
Exons	459..770, 472..660, 784..927,	797..913	

Seq. No.	47336	Seq. ID	OJ000224_03.0404.C18
Gene No.	100683	Strand	-
Start	350	End	1069
Name	OJ000224_03.0404.C18.o2.ts	Method	TBLASTX:Soybean
Start	519	End	764
GI	none	Score	55
Exons	519..764, 520..567		

Seq. No.	47336	Seq. ID	OJ000224_03.0404.C18
Gene No.	100683	Strand	-
Start	350	End	1069
Name	OJ000224_03.0404.C18.o2.tw	Method	TBLASTX:Wheat
Start	784	End	1066
GI	none	Score	122
Exons	784..927, 794..919, 922..1065,	980..1066	

Seq. No.	47336	Seq. ID	OJ000224_03.0404.C18
Gene No.	100683	Strand	-
Start	350	End	1069
Name	OJ000224_03.0404.C18.o1.ts	Method	TBLASTX:Soybean
Start	814	End	1069
GI	none	Score	56
Exons	814..927, 815..913, 928..1068,	929..1069	

Seq. No.	47337	Seq. ID	OJ000224_03.0404.C19
Gene No.	100684	Strand	-
Start	1	End	4639
Name	OJ000224_03.0404.C19.o1.np	Method	AAT/NAP
Start	1	End	3163
GI	4680179	Score	339
Exons	1..307, 3099..3163		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47337	Seq. ID	OJ000224_03.0404.C19
Gene No.	100684	Strand	-
Start	1	End	4639
Name	OJ000224_03.0404.C19.o1.tw	Method	TBLASTX:Wheat
Start	17	End	281
GI	none	Score	102
Exons	17..151, 18..143, 43..144, 136..252,	138..272, 144..281	

Seq. No.	47337	Seq. ID	OJ000224_03.0404.C19
Gene No.	100684	Strand	-
Start	1	End	4639
Name	OJ000224_03.0404.C19.o1.tm	Method	TBLASTX:Maize
Start	20	End	281

GI	none	Score	114
Exons	20..151, 144..281		
Seq. No.	47337	Seq. ID	OJ000224_03.0404.C19
Gene No.	100684	Strand	-
Start	1	End	4639
Name	OJ000224_03.0404.C19.o1.gs	Method	GENSCAN
Start	1471	End	4632
GI	none	Score	.71
Exons	1471..1559, 1884..2084, 3102..3273, 3458..3499, 3742..3841, 3936..3997, 4537..4632		
Seq. No.	47337	Seq. ID	OJ000224_03.0404.C19
Gene No.	100684	Strand	-
Start	1	End	4639
Name	OJ000224_03.0404.C19.o1.gp	Method	AAT/GAP
Start	2486	End	3278
GI	uC-osflcyp101h04a1	Score	760
Exons	2486..2708, 3102..3278		
GI Descrip.	'542191/pir||JQ2289 5.0e-11 floral homeotic protein ZAG1 - maize >gi_309574 (L18924) homologue of Arabidopsis gene AGAMOUS [Zea mays]'		
Seq. No.	47337	Seq. ID	OJ000224_03.0404.C19
Gene No.	100684	Strand	-
Start	1	End	4639
Name	OJ000224_03.0404.C19.o2.np	Method	AAT/NAP
Start	3091	End	4639
GI	542191	Score	398
Exons	3091..3273, 3458..3499, 3601..3642, 3742..3841, 3936..3997, 4537..4639		
GI Descrip.	floral homeotic protein ZAG1 - maize gi|309574|gb|AAA02933.1| (L18924) homologue of Arabidopsis gene AGAMOUS [Zea mays]		
Seq. No.	47337	Seq. ID	OJ000224_03.0404.C19
Gene No.	100684	Strand	-
Start	1	End	4639
Name	OJ000224_03.0404.C19.o1.tc	Method	TBLASTX:Cress
Start	3452	End	4620
GI	none	Score	86
Exons	3452..3502, 3601..3645, 3742..3843, 3917..4006, 4504..4620		
Seq. No.	47337	Seq. ID	OJ000224_03.0404.C19
Gene No.	100684	Strand	-
Start	1	End	4639
Name	OJ000224_03.0404.C19.o2.gp	Method	AAT/GAP
Start	3943	End	4639
GI	uC-osflcyp061g02b1	Score	226
Exons	3943..3997, 4537..4639		
GI Descrip.	'2130078/pir||S59480 3.0e-44 MADS-box protein 3 - rice >gi_886405 (L37528) MADS box protein [Oryza sativa]'		
Seq. No.	47338	Seq. ID	OJ000224_03.0404.C20
Gene No.	100685	Strand	+
Start	3104	End	3881
Name	OJ000224_03.0404.C20.o1.np	Method	AAT/NAP
Start	3104	End	3881

GI	7444414	Score	215
Exons	3104..3373, 3775..3881		
GI Descrip.	hypothetical protein - common tobacco retrotransposon Tto1 gi|1167523|dbj|BAA11674.1| (D83003) ORF(AA 1-1338) [Nicotiana tabacum]		

Seq. No.	47338	Seq. ID	OJ000224_03.0404.C20
Gene No.	100686	Strand	-
Start	1063	End	3369
Name	OJ000224_03.0404.C20.o1.gs	Method	GENSCAN
Start	1063	End	3343
GI	none	Score	.48
Exons	1063..1151, 2414..2500, 2719..2757, 2822..2931, 3289..3343		

Seq. No.	47338	Seq. ID	OJ000224_03.0404.C20
Gene No.	100686	Strand	-
Start	1063	End	3369
Name	OJ000224_03.0404.C20.o1.tm	Method	TBLASTX:Maize
Start	3096	End	3369
GI	none	Score	221
Exons	3096..3275, 3097..3288, 3101..3298, 3102..3293, 3325..3369		

Seq. No.	47339	Seq. ID	OJ000224_03.0404.C21
Gene No.	100687	Strand	-
Start	94	End	165
Name	OJ000224_03.0404.C21.o1.gs	Method	GENSCAN
Start	94	End	165
GI	none	Score	.76
Exons	94..165		

Seq. No.	47340	Seq. ID	OJ000224_03.0404.C22
Gene No.	100688	Strand	+
Start	1	End	1174
Name	OJ000224_03.0404.C22.o1.np	Method	AAT/NAP
Start	1	End	603
GI	5911167	Score	464
Exons	1..373, 475..603		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	47340	Seq. ID	OJ000224_03.0404.C22
Gene No.	100688	Strand	+
Start	1	End	1174
Name	OJ000224_03.0404.C22.o1.tm	Method	TBLASTX:Maize
Start	16	End	373
GI	none	Score	308
Exons	16..342, 17..373, 263..373		

Seq. No.	47340	Seq. ID	OJ000224_03.0404.C22
Gene No.	100688	Strand	+
Start	1	End	1174
Name	OJ000224_03.0404.C22.o1.ts	Method	TBLASTX:Soybean
Start	17	End	361
GI	none	Score	103
Exons	17..112, 122..361, 241..354		

Seq. No.	47340	Seq. ID	OJ000224_03.0404.C22
Gene No.	100688	Strand	+

Start	1	End	1174
Name	OJ000224_03.0404.C22.o1.tw	Method	TBLASTX:Wheat
Start	23	End	792
GI	none	Score	247
Exons	23..376, 76..141, 250..342, 471..590, 499..588, 697..792		

Seq. No.	47340	Seq. ID	OJ000224_03.0404.C22
Gene No.	100688	Strand	+
Start	1	End	1174
Name	OJ000224_03.0404.C22.o1.gs	Method	GENSCAN
Start	180	End	1146
GI	none	Score	.51
Exons	180..372, 861..963, 1034..1146		

Seq. No.	47340	Seq. ID	OJ000224_03.0404.C22
Gene No.	100688	Strand	+
Start	1	End	1174
Name	OJ000224_03.0404.C22.o2.tm	Method	TBLASTX:Maize
Start	940	End	1174
GI	none	Score	47
Exons	940..975, 1031..1147, 1033..1167, 1034..1174		

Seq. No.	47341	Seq. ID	OJ000224_03.0404.C23
Gene No.	100689	Strand	+
Start	3377	End	9426
Name	OJ000224_03.0404.C23.o1.gs	Method	GENSCAN
Start	3377	End	9426
GI	none	Score	.75
Exons	3377..3635, 3708..3856, 3969..4172, 4472..4564, 4833..4991, 5068..5133, 5217..5300, 5386..5451, 5577..5636, 5757..5819, 6124..6171, 6769..6834, 7088..7324, 8954..9131, 9197..9426		

Seq. No.	47341	Seq. ID	OJ000224_03.0404.C23
Gene No.	100689	Strand	+
Start	3377	End	9426
Name	OJ000224_03.0404.C23.o1.gp	Method	AAT/GAP
Start	4892	End	7658
GI	1411_1.R1084	Score	1644
Exons	4892..4991, 5068..5133, 5217..5300, 5386..5451, 5577..5636, 5757..5819, 5908..5980, 6124..6171, 6420..6485, 6769..6834, 7407..7658		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 2.0e-31 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	47341	Seq. ID	OJ000224_03.0404.C23
Gene No.	100689	Strand	+
Start	3377	End	9426
Name	OJ000224_03.0404.C23.o1.np	Method	AAT/NAP
Start	8093	End	8508
GI	6623973	Score	325
Exons	8093..8508		
GI Descrip.	(AC007505) Highly similar to Ta1-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	47341	Seq. ID	OJ000224_03.0404.C23
Gene No.	100690	Strand	+
Start	14168	End	20348

Name	OJ000224_03.0404.C23.o3.np	Method	AAT/NAP
Start	14168	End	20348
GI	7340909	Score	141
Exons	14168..14196, 17387..17614, 20099..20348		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47341	Seq. ID	OJ000224_03.0404.C23
Gene No.	100691	Strand	-
Start	11263	End	15675
Name	OJ000224_03.0404.C23.o2.gs	Method	GENSCAN
Start	11263	End	15675
GI	none	Score	.55
Exons	11263..11452, 11672..11736, 12334..12431, 13286..13320, 14086..14251, 14601..14741, 15600..15675		

Seq. No.	47341	Seq. ID	OJ000224_03.0404.C23
Gene No.	100692	Strand	-
Start	16066	End	16740
Name	OJ000224_03.0404.C23.o2.tm	Method	TBLASTX:Maize
Start	3727	End	4160
GI	none	Score	251
Exons	3727..3933, 3728..3937, 3732..3938, 3963..4160, 3966..4154		

Seq. No.	47341	Seq. ID	OJ000224_03.0404.C23
Gene No.	100692	Strand	-
Start	16066	End	16740
Name	OJ000224_03.0404.C23.o3.tm	Method	TBLASTX:Maize
Start	4469	End	4788
GI	none	Score	76
Exons	4469..4582, 4499..4567, 4631..4738, 4653..4787, 4653..4784, 4655..4786, 4690..4788		

Seq. No.	47341	Seq. ID	OJ000224_03.0404.C23
Gene No.	100692	Strand	-
Start	16066	End	16740
Name	OJ000224_03.0404.C23.o1.tw	Method	TBLASTX:Wheat
Start	7944	End	8472
GI	none	Score	38
Exons	7944..8003, 8095..8253, 8104..8229, 8272..8472, 8283..8471		

Seq. No.	47341	Seq. ID	OJ000224_03.0404.C23
Gene No.	100692	Strand	-
Start	16066	End	16740
Name	OJ000224_03.0404.C23.o1.tm	Method	TBLASTX:Maize
Start	8094	End	8499
GI	none	Score	245
Exons	8094..8495, 8094..8495, 8095..8499		

Seq. No.	47341	Seq. ID	OJ000224_03.0404.C23
Gene No.	100692	Strand	-
Start	16066	End	16740
Name	OJ000224_03.0404.C23.o1.ts	Method	TBLASTX:Soybean
Start	8098	End	8496
GI	none	Score	269
Exons	8098..8373, 8102..8236, 8107..8370, 8383..8496, 8391..8489		

Seq. No.	47341	Seq. ID	OJ000224_03.0404.C23

Gene No.	100692	Strand	-
Start	16066	End	16740
Name	OJ000224_03.0404.C23.o3.gs	Method	GENSCAN
Start	16066	End	16740
GI	none	Score	.96
Exons	16066..16740		

Seq. No.	47341	Seq. ID	OJ000224_03.0404.C23
Gene No.	100692	Strand	-
Start	16066	End	16740
Name	OJ000224_03.0404.C23.o2.np	Method	AAT/NAP
Start	16123	End	16695
GI	7487080	Score	201
Exons	16123..16245, 16285..16451, 16516..16695		
GI Descrip.	hypothetical protein T16I18.80 - Arabidopsis thaliana gi|7270234|emb|CAB80004.1| (AL161582) putative protein [Arabidopsis thaliana]		

Seq. No.	47342	Seq. ID	OJ000224_03.0404.C24
Gene No.	100693	Strand	-
Start	605	End	2344
Name	OJ000224_03.0404.C24.o1.gs	Method	GENSCAN
Start	605	End	2344
GI	none	Score	.56
Exons	605..686, 2208..2344		

Seq. No.	47343	Seq. ID	OJ000224_03.0404.C25
Gene No.	100694	Strand	+
Start	157	End	5332
Name	OJ000224_03.0404.C25.o1.np	Method	AAT/NAP
Start	157	End	3896
GI	7484715	Score	231
Exons	157..205, 2834..2892, 2924..3076, 3479..3896		
GI Descrip.	cellulose synthase (EC 2.4.1.-) catalytic chain celA2 - upland cotton (fragment) gi|1706958|gb|AAB37767.1| (U58284) cellulose synthase [Gossypium hirsutum]		

Seq. No.	47343	Seq. ID	OJ000224_03.0404.C25
Gene No.	100694	Strand	+
Start	157	End	5332
Name	OJ000224_03.0404.C25.o2.gs	Method	GENSCAN
Start	2596	End	5332
GI	none	Score	.68
Exons	2596..2672, 2710..3010, 3215..3574, 3658..3820, 4703..4836, 4850..5044, 5135..5332		

Seq. No.	47343	Seq. ID	OJ000224_03.0404.C25
Gene No.	100695	Strand	-
Start	8543	End	8683
Name	OJ000224_03.0404.C25.o1.tc	Method	TBLASTX:Cress
Start	2836	End	3890
GI	none	Score	53
Exons	2836..2883, 2945..3013, 3479..3604, 3667..3804, 3672..3764, 3810..3890		

Seq. No.	47343	Seq. ID	OJ000224_03.0404.C25
Gene No.	100695	Strand	-

Start	8543	End	8683
Name	OJ000224_03.0404.C25.o1.tm	Method	TBLASTX:Maize
Start	2836	End	3890
GI	none	Score	59
Exons	2836..2883, 2945..3013, 3473..3604, 3667..3804, 3810..3890		

Seq. No.	47343	Seq. ID	OJ000224_03.0404.C25
Gene No.	100695	Strand	-
Start	8543	End	8683
Name	OJ000224_03.0404.C25.o1.ts	Method	TBLASTX:Soybean
Start	2836	End	3890
GI	none	Score	46
Exons	2836..2883, 2936..3013, 3479..3604, 3667..3804, 3678..3764, 3810..3890		

Seq. No.	47343	Seq. ID	OJ000224_03.0404.C25
Gene No.	100695	Strand	-
Start	8543	End	8683
Name	OJ000224_03.0404.C25.o3.gs	Method	GENSCAN
Start	8543	End	8683
GI	none	Score	.54
Exons	8543..8683		

Seq. No.	47344	Seq. ID	OJ000224_03.0404.C26
Gene No.	100696	Strand	+
Start	2954	End	3194
Name	OJ000224_03.0404.C26.o2.gs	Method	GENSCAN
Start	2954	End	3194
GI	none	Score	.57
Exons	2954..3055, 3060..3194		

Seq. No.	47344	Seq. ID	OJ000224_03.0404.C26
Gene No.	100697	Strand	-
Start	4724	End	10030
Name	OJ000224_03.0404.C26.o3.gs	Method	GENSCAN
Start	4724	End	10030
GI	none	Score	.42
Exons	4724..4911, 4944..5010, 5582..5719, 6837..6995, 8853..8960, 9537..9654, 9830..10030		

Seq. No.	47345	Seq. ID	OJ000224_03.0404.C30
Gene No.	100698	Strand	+
Start	145	End	302
Name	OJ000224_03.0404.C30.o1.gs	Method	GENSCAN
Start	145	End	302
GI	none	Score	.9
Exons	145..302		

Seq. No.	47346	Seq. ID	OJ000224_03.0404.C31
Gene No.	100699	Strand	+
Start	3876	End	4506
Name	OJ000224_03.0404.C31.o2.gp	Method	AAT/GAP
Start	3876	End	4506
GI	none	Score	1155
Exons	3876..4506		

Seq. No.	47346	Seq. ID	OJ000224_03.0404.C31

Gene No.	100700	Strand	+
Start	5267	End	5348
Name	OJ000224_03.0404.C31.o3.gp	Method	AAT/GAP
Start	5267	End	5348
GI	LIB3477-003-P1-K1-E9	Score	131
Exons	5267..5348		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47346	Seq. ID	OJ000224_03.0404.C31
Gene No.	100701	Strand	+
Start	10305	End	10384
Name	OJ000224_03.0404.C31.o2.np	Method	AAT/NAP
Start	10305	End	10384
GI	6630699	Score	102
Exons	10305..10384		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47346	Seq. ID	OJ000224_03.0404.C31
Gene No.	100702	Strand	+
Start	10514	End	11971
Name	OJ000224_03.0404.C31.o3.np	Method	AAT/NAP
Start	10514	End	11971
GI	6539570	Score	132
Exons	10514..10712, 10875..10952, 11869..11971		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	47346	Seq. ID	OJ000224_03.0404.C31
Gene No.	100703	Strand	-
Start	1	End	8138
Name	OJ000224_03.0404.C31.o1.np	Method	AAT/NAP
Start	1	End	8138
GI	3980411	Score	90
Exons	1..70, 4371..4691, 7718..8138		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	47346	Seq. ID	OJ000224_03.0404.C31
Gene No.	100703	Strand	-
Start	1	End	8138
Name	OJ000224_03.0404.C31.o1.gp	Method	AAT/GAP
Start	3691	End	3957
GI	3761800	Score	444
Exons	3691..3957		

Seq. No.	47346	Seq. ID	OJ000224_03.0404.C31
Gene No.	100703	Strand	-
Start	1	End	8138
Name	OJ000224_03.0404.C31.o2.gs	Method	GENSCAN
Start	4050	End	4534
GI	none	Score	.88
Exons	4050..4355, 4406..4534		

Seq. No.	47346	Seq. ID	OJ000224_03.0404.C31
Gene No.	100704	Strand	-

Start	10300	End	10727
Name	OJ000224_03.0404.C31.o1.tm	Method	TBLASTX:Maize
Start	4121	End	4286
GI	none	Score	171
Exons	4121..4285, 4122..4286		

Seq. No.	47346	Seq. ID	OJ000224_03.0404.C31
Gene No.	100704	Strand	-
Start	10300	End	10727
Name	OJ000224_03.0404.C31.o1.tw	Method	TBLASTX:Wheat
Start	4121	End	4279
GI	none	Score	118
Exons	4121..4279, 4122..4271		

Seq. No.	47346	Seq. ID	OJ000224_03.0404.C31
Gene No.	100704	Strand	-
Start	10300	End	10727
Name	OJ000224_03.0404.C31.o4.gp	Method	AAT/GAP
Start	10300	End	10727
GI	LIB3479-006-Q6-K1-B11	Score	572
Exons	10300..10727		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	47347	Seq. ID	OJ000224_03.0404.C32
Gene No.	100705	Strand	+
Start	727	End	2385
Name	OJ000224_03.0404.C32.o1.gs	Method	GENSCAN
Start	727	End	2385
GI	none	Score	.68
Exons	727..865, 1862..2385		

Seq. No.	47347	Seq. ID	OJ000224_03.0404.C32
Gene No.	100706	Strand	+
Start	4573	End	5641
Name	OJ000224_03.0404.C32.o3.gs	Method	GENSCAN
Start	4573	End	5641
GI	none	Score	.51
Exons	4573..4634, 5171..5217, 5577..5641		

Seq. No.	47347	Seq. ID	OJ000224_03.0404.C32
Gene No.	100707	Strand	-
Start	1900	End	3151
Name	OJ000224_03.0404.C32.o1.tm	Method	TBLASTX:Maize
Start	1898	End	3086
GI	none	Score	38
Exons	1898..1939, 1900..1938, 1951..2160, 1973..2161, 2176..2241, 2255..2272, 2289..2387, 2302..2397, 2392..2448, 2399..2446, 2652..2681, 2680..2712, 2685..2729, 2750..2812, 2760..2813, 2810..2974, 2817..2969, 2975..3085, 2994..3086		

Seq. No.	47347	Seq. ID	OJ000224_03.0404.C32
Gene No.	100707	Strand	-
Start	1900	End	3151
Name	OJ000224_03.0404.C32.o2.tc	Method	TBLASTX:Cress
Start	1898	End	2241
GI	none	Score	50

Exons	1898..1948, 1900..1947, 1951..2160, 1952..2161, 2176..2241		
Seq. No.	47347	Seq. ID	OJ000224_03.0404.C32
Gene No.	100707	Strand	-
Start	1900	End	3151
Name	OJ000224_03.0404.C32.o1.np	Method	AAT/NAP
Start	1900	End	3103
GI	4836876	Score	957
Exons	1900..2453, 2645..3103		
GI Descrip.	(AC007260) Similar to dTDP-D-glucose 4,6-dehydratase [Arabidopsis thaliana]		
Seq. No.	47347	Seq. ID	OJ000224_03.0404.C32
Gene No.	100707	Strand	-
Start	1900	End	3151
Name	OJ000224_03.0404.C32.o1.ts	Method	TBLASTX:Soybean
Start	1900	End	2908
GI	none	Score	122
Exons	1900..1938, 1939..1956, 1951..2160, 1952..2161, 2176..2241, 2255..2272, 2289..2387, 2302..2397, 2392..2451, 2399..2452, 2652..2681, 2680..2715, 2685..2729, 2750..2812, 2760..2813, 2810..2908, 2817..2852		
Seq. No.	47347	Seq. ID	OJ000224_03.0404.C32
Gene No.	100707	Strand	-
Start	1900	End	3151
Name	OJ000224_03.0404.C32.o1.tw	Method	TBLASTX:Wheat
Start	2026	End	2421
GI	none	Score	81
Exons	2026..2157, 2027..2158, 2077..2166, 2179..2241, 2289..2393, 2305..2394, 2321..2416, 2392..2421		
Seq. No.	47347	Seq. ID	OJ000224_03.0404.C32
Gene No.	100707	Strand	-
Start	1900	End	3151
Name	OJ000224_03.0404.C32.o1.tc	Method	TBLASTX:Cress
Start	2301	End	3089
GI	none	Score	95
Exons	2301..2387, 2302..2391, 2392..2451, 2652..2681, 2680..2712, 2685..2729, 2750..2812, 2760..2813, 2810..2974, 2817..2969, 2975..3088, 3018..3089		
Seq. No.	47347	Seq. ID	OJ000224_03.0404.C32
Gene No.	100707	Strand	-
Start	1900	End	3151
Name	OJ000224_03.0404.C32.o2.gs	Method	GENSCAN
Start	2549	End	3151
GI	none	Score	.58
Exons	2549..3151		
Seq. No.	47347	Seq. ID	OJ000224_03.0404.C32
Gene No.	100707	Strand	-
Start	1900	End	3151
Name	OJ000224_03.0404.C32.o2.tw	Method	TBLASTX:Wheat
Start	2843	End	3086
GI	none	Score	86
Exons	2843..2974, 2975..3085, 3027..3086		

Seq. No.	47347	Seq. ID	OJ000224_03.0404.C32
Gene No.	100707	Strand	-
Start	1900	End	3151
Name	OJ000224_03.0404.C32.o2.ts	Method	TBLASTX:Soybean
Start	2909	End	3089
GI	none	Score	96
Exons	2909..2974, 2975..3088, 2994..3089		

Seq. No.	47348	Seq. ID	OJ000114_24.0315.C1
Gene No.	100708	Strand	+
Start	5485	End	6281
Name	OJ000114_24.0315.C1.o2.np	Method	AAT/NAP
Start	5485	End	6281
GI	4512231	Score	1239
Exons	5485..6281		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	47348	Seq. ID	OJ000114_24.0315.C1
Gene No.	100709	Strand	+
Start	6563	End	8621
Name	OJ000114_24.0315.C1.o3.np	Method	AAT/NAP
Start	6563	End	8621
GI	6983860	Score	1760
Exons	6563..7668, 8600..8621		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	47348	Seq. ID	OJ000114_24.0315.C1
Gene No.	100710	Strand	-
Start	1263	End	4060
Name	OJ000114_24.0315.C1.o1.np	Method	AAT/NAP
Start	1263	End	4060
GI	5852179	Score	261
Exons	1263..1285, 2575..2645, 2749..2941, 3016..3216, 4040..4060		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	47348	Seq. ID	OJ000114_24.0315.C1
Gene No.	100711	Strand	-
Start	4677	End	4867
Name	OJ000114_24.0315.C1.o1.gp	Method	AAT/GAP
Start	4677	End	4867
GI	LIB3433-026-P1-K1-C1	Score	248
Exons	4677..4867		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	47348	Seq. ID	OJ000114_24.0315.C1
Gene No.	100712	Strand	-
Start	8113	End	8510
Name	OJ000114_24.0315.C1.o3.tw	Method	TBLASTX:Wheat
Start	6730	End	6928
GI	none	Score	192
Exons	6730..6927, 6746..6928		

Seq. No.	47348	Seq. ID	OJ000114_24.0315.C1
Gene No.	100712	Strand	-

Start	8113	End	8510
Name	OJ000114_24.0315.C1.o1.tm	Method	TBLASTX:Maize
Start	6980	End	7318
GI	none	Score	248
Exons	6980..7318, 6983..7189		

Seq. No.	47348	Seq. ID	OJ000114_24.0315.C1
Gene No.	100712	Strand	-
Start	8113	End	8510
Name	OJ000114_24.0315.C1.o1.tw	Method	TBLASTX:Wheat
Start	6980	End	7330
GI	none	Score	316
Exons	6980..7330		

Seq. No.	47348	Seq. ID	OJ000114_24.0315.C1
Gene No.	100712	Strand	-
Start	8113	End	8510
Name	OJ000114_24.0315.C1.o2.tw	Method	TBLASTX:Wheat
Start	7496	End	7870
GI	none	Score	62
Exons	7496..7543, 7616..7870, 7648..7869		

Seq. No.	47348	Seq. ID	OJ000114_24.0315.C1
Gene No.	100712	Strand	-
Start	8113	End	8510
Name	OJ000114_24.0315.C1.o2.gs	Method	GENSCAN
Start	8113	End	8510
GI	none	Score	.77
Exons	8113..8268, 8439..8510		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100713	Strand	+
Start	2684	End	5790
Name	OJ000114_24.0315.C2.o3.np	Method	AAT/NAP
Start	2684	End	5790
GI	4416302	Score	3403
Exons	2684..5790		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100714	Strand	+
Start	13599	End	18380
Name	OJ000114_24.0315.C2.o5.np	Method	AAT/NAP
Start	13599	End	18380
GI	2708484	Score	1443
Exons	13599..13702, 13809..13918, 14068..14166, 14247..14303, 14488..14643, 14731..14815, 14925..15015, 15451..15615, 15695..15814, 16118..16193, 16280..17116, 17307..17614, 17735..17868, 17971..18161, 18259..18380		
GI Descrip.	(U79557) IAA24 [Arabidopsis thaliana]		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100715	Strand	+
Start	25657	End	28539
Name	OJ000114_24.0315.C2.o6.np	Method	AAT/NAP
Start	25657	End	28539
GI	5042463	Score	405

Exons	25657..25677, 27372..27544, 28254..28409, 28456..28539		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100716	Strand	+
Start	31077	End	33342
Name	OJ000114_24.0315.C2.o7.np	Method	AAT/NAP
Start	31077	End	33342
GI	4406814	Score	368
Exons	31077..31311, 33221..33342		
GI Descrip.	(AC006201) putative peptidyl-prolyl cis-trans isomerase [Arabidopsis thaliana]		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100717	Strand	+
Start	33964	End	34204
Name	OJ000114_24.0315.C2.o2.gp	Method	AAT/GAP
Start	33964	End	34204
GI	2442637	Score	445
Exons	33964..34204		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100718	Strand	+
Start	34652	End	35775
Name	OJ000114_24.0315.C2.o3.gp	Method	AAT/GAP
Start	34652	End	35775
GI	3107515	Score	655
Exons	34652..34865, 35642..35775		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100719	Strand	+
Start	36134	End	37493
Name	OJ000114_24.0315.C2.o4.gp	Method	AAT/GAP
Start	36134	End	37493
GI	none	Score	1165
Exons	36134..36215, 36294..36493, 37003..37128, 37229..37493		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100720	Strand	+
Start	39316	End	41502
Name	OJ000114_24.0315.C2.o3.gs	Method	GENSCAN
Start	39316	End	41502
GI	none	Score	.43
Exons	39316..39490, 39663..39889, 40540..40598, 40726..40795, 41464..41502		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100721	Strand	+
Start	45378	End	47235
Name	OJ000114_24.0315.C2.o8.np	Method	AAT/NAP
Start	45357	End	47235
GI	7488427	Score	282
Exons	45357..45725, 47209..47235		
GI Descrip.	wuschel protein - Arabidopsis thaliana		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100721	Strand	+

Start	45378	End	47235
Name	OJ000114_24.0315.C2.o4.gs	Method	GENSCAN
Start	45378	End	46419
GI	none	Score	.63
Exons	45378..45753, 45855..45976, 46057..46419		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100722	Strand	+
Start	51741	End	52073
Name	OJ000114_24.0315.C2.o10.np	Method	AAT/NAP
Start	51741	End	52070
GI	7486045	Score	624
Exons	51741..52070		
GI Descrip.	hypothetical protein F23F1.8 - Arabidopsis thaliana gi|3420051|gb|AAC31852.1| (AC004680) unknown protein [Arabidopsis thaliana]		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100722	Strand	+
Start	51741	End	52073
Name	OJ000114_24.0315.C2.o6.gs	Method	GENSCAN
Start	51741	End	52073
GI	none	Score	.77
Exons	51741..52073		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100723	Strand	+
Start	55944	End	57970
Name	OJ000114_24.0315.C2.o7.gs	Method	GENSCAN
Start	55944	End	57970
GI	none	Score	.63
Exons	55944..55949, 56451..56660, 56746..56870, 56956..57970		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100723	Strand	+
Start	55944	End	57970
Name	OJ000114_24.0315.C2.o5.gp	Method	AAT/GAP
Start	57171	End	57620
GI	LIB3431-023-P1-K1-B10	Score	839
Exons	57171..57620		
GI Descrip.	'20153/emb|X57919|OS12RG14R 8.0e-83 O.sativa random single-copy DNA fragment 12RG143R'		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100724	Strand	+
Start	61877	End	62096
Name	OJ000114_24.0315.C2.o9.gp	Method	AAT/GAP
Start	61877	End	62096
GI	none	Score	312
Exons	61877..62096		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100725	Strand	+
Start	64935	End	65049
Name	OJ000114_24.0315.C2.o12.gp	Method	AAT/GAP
Start	64935	End	65049
GI	none	Score	197

Exons	64935..65049		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100726	Strand	-
Start	1	End	1741
Name	OJ000114_24.0315.C2.o1.np	Method	AAT/NAP
Start	1	End	1741
GI	6721516	Score	337
Exons	1..327, 1570..1741		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100727	Strand	-
Start	5742	End	14325
Name	OJ000114_24.0315.C2.o4.np	Method	AAT/NAP
Start	5742	End	14325
GI	6721516	Score	620
Exons	5742..5835, 6522..6685, 9890..10143, 10554..10809, 14301..14325		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100728	Strand	-
Start	45776	End	50446
Name	OJ000114_24.0315.C2.o9.np	Method	AAT/NAP
Start	45776	End	49995
GI	6648198	Score	377
Exons	45776..45793, 47753..47819, 48143..48242, 49586..49691, 49803..49995		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100728	Strand	-
Start	45776	End	50446
Name	OJ000114_24.0315.C2.o5.gs	Method	GENSCAN
Start	47724	End	50446
GI	none	Score	.75
Exons	47724..47819, 48143..48242, 49586..49691, 49803..50119, 50343..50446		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100729	Strand	-
Start	57718	End	58142
Name	OJ000114_24.0315.C2.o6.gp	Method	AAT/GAP
Start	57718	End	58142
GI	none	Score	819
Exons	57718..58142		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o13.tm	Method	TBLASTX:Maize
Start	2512	End	2872
GI	none	Score	105
Exons	2512..2604, 2514..2606, 2633..2872, 2641..2709, 2737..2865		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-

Start	61441	End	68675
Name	OJ000114_24.0315.C2.o5.tw	Method	TBLASTX:Wheat
Start	2657	End	2965
GI	none	Score	217
Exons	2657..2965, 2662..2883		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	=
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o9.tm	Method	TBLASTX:Maize
Start	2875	End	3267
GI	none	Score	89
Exons	2875..3006, 2876..3004, 2992..3216, 2994..3200, 2995..3267, 2999..3265		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o2.tw	Method	TBLASTX:Wheat
Start	3037	End	3602
GI	none	Score	261
Exons	3037..3267, 3038..3283, 3323..3400, 3429..3602, 3430..3600		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o2.tm	Method	TBLASTX:Maize
Start	3272	End	4071
GI	none	Score	109
Exons	3272..3343, 3279..3344, 3298..3345, 3339..3920, 3344..3409, 3387..3761, 3427..3960, 3430..3960, 3969..4070, 3973..4071, 4021..4059		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o5.ts	Method	TBLASTX:Soybean
Start	3451	End	3912
GI	none	Score	338
Exons	3451..3912, 3480..3641, 3708..3824		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o8.tc	Method	TBLASTX:Cress
Start	3493	End	3909
GI	none	Score	211
Exons	3493..3909		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o6.tw	Method	TBLASTX:Wheat
Start	3694	End	4035
GI	none	Score	96
Exons	3694..3780, 3778..3921, 3787..3924, 3946..4035, 3972..4025		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o10.tm	Method	TBLASTX:Maize
Start	4129	End	4419
GI	none	Score	296
Exons	4129..4380, 4152..4379, 4369..4419, 4371..4418		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o1.ts	Method	TBLASTX:Soybean
Start	4147	End	4760
GI	5509260	Score	715
Exons	4147..4755, 4240..4443, 4242..4760, 4674..4760		
GI Descrip.	-		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o1.tw	Method	TBLASTX:Wheat
Start	4276	End	4752
GI	none	Score	84
Exons	4276..4365, 4372..4398, 4389..4742, 4399..4746, 4405..4533, 4406..4609, 4407..4745, 4576..4752		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o9.tc	Method	TBLASTX:Cress
Start	4368	End	4641
GI	none	Score	195
Exons	4368..4511, 4369..4641		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o5.tm	Method	TBLASTX:Maize
Start	4420	End	4887
GI	none	Score	571
Exons	4420..4887, 4420..4539, 4422..4865, 4573..4878		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o19.tm	Method	TBLASTX:Maize
Start	4933	End	5121
GI	none	Score	243
Exons	4933..5121, 4944..5081, 5024..5104		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o4.tw	Method	TBLASTX:Wheat
Start	4936	End	5367
GI	none	Score	105
Exons	4936..5097, 5110..5367		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o1.tm	Method	TBLASTX:Maize
Start	5122	End	5843
GI	none	Score	912
Exons	5122..5784, 5124..5798, 5685..5843, 5687..5809		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o4.ts	Method	TBLASTX:Soybean
Start	5131	End	5772
GI	none	Score	308
Exons	5131..5514, 5136..5507, 5143..5514, 5548..5772, 5556..5723		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o7.tc	Method	TBLASTX:Cress
Start	5311	End	5769
GI	none	Score	69
Exons	5311..5400, 5404..5538, 5524..5769, 5550..5717		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o7.tw	Method	TBLASTX:Wheat
Start	5404	End	5736
GI	none	Score	105
Exons	5404..5529, 5424..5525, 5548..5736, 5604..5723		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o11.tm	Method	TBLASTX:Maize
Start	13774	End	14986
GI	none	Score	164
Exons	13774..13920, 13778..13921, 14065..14175, 14247..14300, 14532..14636, 14533..14643, 14535..14645, 14705..14815, 14715..14816, 14730..14816, 14731..14832, 14906..14968, 14917..14979, 14924..14986		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o2.tc	Method	TBLASTX:Cress
Start	13778	End	18346
GI	none	Score	188
Exons	13778..13921, 13816..13920, 14065..14166, 14104..14166, 14246..14317, 14247..14318, 14487..14636, 14488..14643, 14494..14643, 14495..14644, 14496..14645, 14730..14816, 14731..14832, 14923..15015, 14924..15025, 15436..15615, 15438..15506, 15449..15616, 15692..15748, 15693..15743, 15753..15821, 15758..15814, 16115..16195, 16116..16196, 16276..16392, 16280..16411, 17969..18061, 17970..18062,		

17970..18161, 17971..18162, 18100..18165, 18254..18346

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o6.ts	Method	TBLASTX:Soybean
Start	14125	End	14971
GI	none	Score	64
Exons	14125..14166, 14247..14297, 14532..14645, 14533..14643, 14715..14816, 14731..14832, 14917..14970, 14924..14971		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o8.ts	Method	TBLASTX:Soybean
Start	15445	End	16342
GI	none	Score	140
Exons	15445..15630, 15470..15616, 15692..15814, 15693..15821, 16115..16186, 16116..16196, 16276..16341, 16280..16342		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o20.tm	Method	TBLASTX:Maize
Start	15449	End	16342
GI	none	Score	160
Exons	15449..15616, 15452..15616, 15466..15630, 15693..15749, 15698..15742, 15759..15821, 15762..15806, 16116..16196, 16280..16342		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o21.tm	Method	TBLASTX:Maize
Start	16798	End	17057
GI	none	Score	194
Exons	16798..17010, 16800..17006, 16805..17023, 17010..17057		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o4.tm	Method	TBLASTX:Maize
Start	17109	End	17785
GI	none	Score	42
Exons	17109..17150, 17132..17323, 17158..17520, 17160..17519, 17161..17520, 17518..17610, 17524..17667, 17525..17587, 17535..17603, 17652..17783, 17653..17784, 17653..17784, 17654..17785		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o7.ts	Method	TBLASTX:Soybean
Start	17845	End	18331
GI	none	Score	37
Exons	17845..17871, 17963..18160, 17963..18010, 17964..18092, 17965..18162, 18001..18162, 18259..18330, 18260..18331		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o16.tm	Method	TBLASTX:Maize
Start	17967	End	18346
GI	none	Score	210
Exons	17967..18095, 17971..18162, 17998..18162, 18254..18346		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o15.tm	Method	TBLASTX:Maize
Start	30909	End	33471
GI	none	Score	63
Exons	30909..30992, 31085..31312, 31086..31319, 33219..33353, 33220..33348, 33221..33355, 33427..33471		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o9.ts	Method	TBLASTX:Soybean
Start	31067	End	33339
GI	none	Score	236
Exons	31067..31174, 31068..31319, 31229..31312, 33219..33338, 33220..33339		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o6.tc	Method	TBLASTX:Cress
Start	31092	End	33353
GI	none	Score	219
Exons	31092..31319, 31100..31312, 33219..33353, 33220..33345		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o18.tm	Method	TBLASTX:Maize
Start	34763	End	36200
GI	none	Score	138
Exons	34763..34855, 34764..34877, 34764..34871, 35639..35806, 35641..35808, 35690..35809, 35968..36048, 35969..36049, 35977..36051, 35984..36049, 36020..36199, 36039..36200		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o5.tc	Method	TBLASTX:Cress
Start	35645	End	36331
GI	none	Score	88
Exons	35645..35791, 35969..36217, 35986..36219, 36277..36330, 36290..36331		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675

Name	OJ000114_24.0315.C2.o3.ts	Method	TBLASTX:Soybean
Start	35969	End	37368
GI	none	Score	126
Exons	35969..36067, 35977..36066, 36091..36219, 36095..36217, 36292..36486, 36293..36493, 36293..36493, 36357..36503, 37002..37130, 37002..37133, 37003..37140, 37226..37330, 37228..37326, 37237..37368, 37242..37334		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o4.tc	Method	TBLASTX:Cress
Start	36371	End	37327
GI	none	Score	188
Exons	36371..36493, 36379..36492, 36383..36499, 36384..36500, 36385..36501, 36982..37125, 36999..37133, 37003..37140, 37208..37312, 37226..37327, 37231..37320		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o12.tm	Method	TBLASTX:Maize
Start	36458	End	37336
GI	none	Score	66
Exons	36458..36493, 37001..37111, 37002..37139, 37003..37140, 37220..37327, 37226..37336		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o3.tc	Method	TBLASTX:Cress
Start	45452	End	45659
GI	none	Score	301
Exons	45452..45634, 45453..45659, 45553..45636		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o10.ts	Method	TBLASTX:Soybean
Start	45458	End	45659
GI	none	Score	74
Exons	45458..45517, 45459..45518, 45510..45659, 45521..45628		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o3.tm	Method	TBLASTX:Maize
Start	51716	End	52142
GI	none	Score	414
Exons	51716..52120, 51722..52090, 51723..52142		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o2.ts	Method	TBLASTX:Soybean
Start	51719	End	52025
GI	none	Score	268

Exons	51719..52006, 51740..52024, 51741..52025		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o1.tc	Method	TBLASTX:Cress
Start	51762	End	52090
GI	none	Score	126
Exons	51762..51857, 51782..51856, 51784..51867, 51853..51912, 51854..52090, 51855..52073		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o8.tm	Method	TBLASTX:Maize
Start	53121	End	56829
GI	none	Score	83
Exons	53121..53186, 53122..53223, 53124..53192, 56440..56652, 56442..56663, 56450..56656, 56743..56826, 56763..56828, 56764..56829		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o11.ts	Method	TBLASTX:Soybean
Start	56440	End	56657
GI	none	Score	72
Exons	56440..56646, 56441..56656, 56442..56657		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o17.tm	Method	TBLASTX:Maize
Start	57527	End	58111
GI	none	Score	113
Exons	57527..57580, 57548..57685, 57577..57690, 57579..57773, 57686..57778, 57697..57777, 57773..57931, 57773..57892, 57778..57897, 57970..58011, 57972..58010, 58058..58111		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o7.tm	Method	TBLASTX:Maize
Start	60897	End	62383
GI	none	Score	60
Exons	60897..60941, 60932..60976, 60951..60980, 60997..61068, 61009..61035, 61061..61090, 61063..61098, 61090..61122, 61094..61123, 61200..61235, 61214..61237, 61904..62059, 61905..62054, 61949..62017, 62028..62129, 62066..62125, 62067..62126, 62078..62134, 62115..62156, 62116..62160, 62117..62182, 62160..62381, 62161..62382, 62162..62383		
Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o7.gp	Method	AAT/GAP
Start	60966	End	61232

GI	none	Score	375
Exons	60966..61232		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o8.gp	Method	AAT/GAP
Start	61045	End	61233
GI	1632034	Score	296
Exons	61045..61233		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o8.gs	Method	GENSCAN
Start	61441	End	68675
GI	none	Score	.55
Exons	61441..61463, 61885..63499, 63584..63640, 64334..65047, 66516..66699, 67011..67144, 68429..68564, 68599..68675		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o10.gp	Method	AAT/GAP
Start	62097	End	62984
GI	none	Score	1662
Exons	62097..62984		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o6.tm	Method	TBLASTX:Maize
Start	62389	End	63246
GI	none	Score	46
Exons	62389..62769, 62390..62455, 62549..62776, 62558..62776, 62774..62839, 62775..62855, 62840..63094, 62841..63044, 63041..63232, 63151..63246		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o11.np	Method	AAT/NAP
Start	63076	End	66713
GI	477580	Score	141
Exons	63076..63105, 64468..64774, 66586..66713		
GI Descrip.	merozoite protein Bb-1 - Babesia bovis (fragment)		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o14.tm	Method	TBLASTX:Maize
Start	63424	End	64498
GI	none	Score	111
Exons	63424..63501, 63424..63501, 63566..63616, 63567..63620, 64028..64222, 64063..64203, 64074..64241, 64355..64498, 64375..64497		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o3.tw	Method	TBLASTX:Wheat
Start	64469	End	65047
GI	none	Score	134
Exons	64469..64627, 64511..64651, 64511..64651, 64529..64693, 64529..64693, 64541..64729, 64553..64792, 64559..64741, 64609..64779, 64624..64707, 64727..64825, 64740..64820, 64754..64849, 64755..64841, 64784..64915, 64785..64916, 64785..64916, 64816..64938, 64906..65043, 64910..65044, 64910..65047		

Seq. No.	47349	Seq. ID	OJ000114_24.0315.C2
Gene No.	100730	Strand	-
Start	61441	End	68675
Name	OJ000114_24.0315.C2.o11.gp	Method	AAT/GAP
Start	64478	End	64879
GI	64866_1.R1084	Score	712
Exons	64478..64879		
GI Descrip.	'475784 2.0e-13 (M99575) 85 kDa protein [Babesia bovis]'		

Seq. No.	47350	Seq. ID	OJ000114_24.0315.C3
Gene No.	100731	Strand	+
Start	816	End	5056
Name	OJ000114_24.0315.C3.o1.gs	Method	GENSCAN
Start	816	End	5056
GI	none	Score	.55
Exons	816..882, 1044..1134, 4972..5056		

Seq. No.	47350	Seq. ID	OJ000114_24.0315.C3
Gene No.	100732	Strand	+
Start	6273	End	8643
Name	OJ000114_24.0315.C3.o1.np	Method	AAT/NAP
Start	6273	End	8613
GI	7484692	Score	413
Exons	6273..6367, 7495..8613		
GI Descrip.	anthranilate N-benzoyltransferase (EC 2.3.1.144) - clove pink gi|2239089|emb|CAB06430.1| (Z84386) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] gi|3288180|emb|CAB11466.1| (Z98758) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]		

Seq. No.	47350	Seq. ID	OJ000114_24.0315.C3
Gene No.	100732	Strand	+
Start	6273	End	8643
Name	OJ000114_24.0315.C3.o2.gs	Method	GENSCAN
Start	7303	End	8643
GI	none	Score	1
Exons	7303..8643		

Seq. No.	47350	Seq. ID	OJ000114_24.0315.C3
Gene No.	100733	Strand	-
Start	8283	End	11163
Name	OJ000114_24.0315.C3.o1.ts	Method	TBLASTX:Soybean
Start	7501	End	11121
GI	none	Score	73

Exons	7501..7674, 7660..7848, 7701..7862, 8053..8334, 8130..8330, 8365..8607, 8403..8546, 10918..11121		
Seq. No.	47350	Seq. ID	OJ000114_24.0315.C3
Gene No.	100733	Strand	-
Start	8283	End	11163
Name	OJ000114_24.0315.C3.o1.tw	Method	TBLASTX:Wheat
Start	7701	End	8127
GI	none	Score	136
Exons	7701..7820, 7702..7815, 7833..7907, 7834..8127, 7977..8108		
Seq. No.	47350	Seq. ID	OJ000114_24.0315.C3
Gene No.	100733	Strand	-
Start	8283	End	11163
Name	OJ000114_24.0315.C3.o1.tm	Method	TBLASTX:Maize
Start	8070	End	11150
GI	none	Score	165
Exons	8070..8330, 8071..8334, 8371..8496, 8415..8486, 11029..11136, 11039..11110, 11094..11150		
Seq. No.	47350	Seq. ID	OJ000114_24.0315.C3
Gene No.	100733	Strand	-
Start	8283	End	11163
Name	OJ000114_24.0315.C3.o2.np	Method	AAT/NAP
Start	8283	End	11163
GI	131277	Score	146
Exons	8283..8397, 10294..10461, 10596..10744, 11131..11163		
GI Descrip.	PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) gi|82629|pir||S14140 photosystem II chlorophyll a-binding protein psbB - wheat chloroplast gi|12357|emb|CAA38541.1| (X54749) chlorophyll a-binding protein CP47 [Triticum aestivum]		
Seq. No.	47350	Seq. ID	OJ000114_24.0315.C3
Gene No.	100733	Strand	-
Start	8283	End	11163
Name	OJ000114_24.0315.C3.o3.np	Method	AAT/NAP
Start	10912	End	11163
GI	7484692	Score	145
Exons	10912..11163		
GI Descrip.	anthranilate N-benzoyltransferase (EC 2.3.1.144) - clove pink gi|2239089|emb|CAB06430.1| (Z84386) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] gi|3288180|emb|CAB11466.1| (Z98758) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]		
Seq. No.	47351	Seq. ID	OJ000114_24.0315.C4
Gene No.	100734	Strand	-
Start	40	End	388
Name	OJ000114_24.0315.C4.o1.tm	Method	TBLASTX:Maize
Start	22	End	388
GI	none	Score	118
Exons	22..387, 43..384, 107..388		
Seq. No.	47351	Seq. ID	OJ000114_24.0315.C4
Gene No.	100734	Strand	-
Start	40	End	388
Name	OJ000114_24.0315.C4.o1.gs	Method	GENSCAN

Start	40	End	384
GI	none	Score	.96
Exons	40..384		

Seq. No.	47352	Seq. ID	OJ000114_24.0315.C5
Gene No.	100735	Strand	+
Start	1	End	2224
Name	OJ000114_24.0315.C5.o2.np	Method	AAT/NAP
Start	1	End	2224
GI	4680183	Score	104
Exons	1..40, 2136..2224		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	47352	Seq. ID	OJ000114_24.0315.C5
Gene No.	100736	Strand	-
Start	1183	End	4059
Name	OJ000114_24.0315.C5.o3.np	Method	AAT/NAP
Start	1183	End	4059
GI	7340881	Score	190
Exons	1183..1235, 2958..3275, 3406..3550, 4012..4059		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	47352	Seq. ID	OJ000114_24.0315.C5
Gene No.	100736	Strand	-
Start	1183	End	4059
Name	OJ000114_24.0315.C5.o1.np	Method	AAT/NAP
Start	2013	End	2103
GI	6721561	Score	133
Exons	2013..2103		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6
Gene No.	100737	Strand	+
Start	24	End	604
Name	OJ000114_24.0315.C6.o1.gs	Method	GENSCAN
Start	24	End	604
GI	none	Score	.48
Exons	24..155, 173..604		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6
Gene No.	100738	Strand	+
Start	7761	End	8119
Name	OJ000114_24.0315.C6.o4.gs	Method	GENSCAN
Start	7761	End	8119
GI	none	Score	.6
Exons	7761..7896, 8046..8119		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6
Gene No.	100738	Strand	+
Start	7761	End	8119
Name	OJ000114_24.0315.C6.o2.gp	Method	AAT/GAP
Start	7833	End	8119
GI	uC-osflcyp080h06a1	Score	228

Exons	7833..7896, 8046..8119		
GI Descrip.	'4105124/gb|AF043347|AF043347 3.0e-17 Zea mays cell wall invertase (incw4) gene, complete cds'		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6
Gene No.	100739	Strand	-
Start	1388	End	3751
Name	OJ000114_24.0315.C6.o1.np	Method	AAT/NAP
Start	1373	End	3745
GI	5052007	Score	1952
Exons	1373..1624, 1705..1798, 1935..2338, 2439..3336, 3594..3745		
GI Descrip.	(AF155121) apoplastic invertase [Oryza sativa subsp. indica]		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6
Gene No.	100739	Strand	-
Start	1388	End	3751
Name	OJ000114_24.0315.C6.o2.gs	Method	GENSCAN
Start	1388	End	3751
GI	none	Score	.96
Exons	1388..1624, 1705..1798, 1935..2338, 2439..3331, 3598..3751		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6
Gene No.	100740	Strand	-
Start	3891	End	6961
Name	OJ000114_24.0315.C6.o1.tm	Method	TBLASTX:Maize
Start	1433	End	6880
GI	none	Score	75
Exons	1433..1597, 1434..1598, 1548..1637, 1556..1624, 1709..1807, 1720..1806, 1934..1984, 1965..2054, 1982..2053, 2051..2233, 2054..2173, 2154..2234, 2249..2344, 2253..2333, 2442..2594, 2724..2999, 2788..3000, 2983..3084, 3000..3260, 3001..3270, 3267..3335, 3268..3333, 3591..3638, 3599..3640, 4584..4670, 4588..4662, 4684..4761, 4692..4760, 4849..4911, 5083..5154, 5087..5155, 5209..5235, 5245..5451, 5254..5430, 5513..5674, 5699..5752, 5771..5797, 5813..6040, 5814..6035, 6071..6331, 6092..6154, 6129..6341, 6338..6403, 6797..6880		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6
Gene No.	100740	Strand	-
Start	3891	End	6961
Name	OJ000114_24.0315.C6.o1.ts	Method	TBLASTX:Soybean
Start	1433	End	6880
GI	none	Score	75
Exons	1433..1597, 1434..1598, 1548..1637, 1556..1624, 1709..1807, 1720..1806, 1934..1984, 1965..2054, 1982..2053, 2051..2233, 2054..2173, 2154..2234, 2249..2344, 2253..2333, 2442..2594, 2724..2999, 2788..3000, 2983..3084, 3000..3260, 3001..3270, 3267..3335, 3268..3333, 3591..3638, 3599..3640, 4584..4670, 4588..4662, 4684..4761, 4692..4760, 4849..4911, 5083..5154, 5087..5155, 5209..5235, 5245..5451, 5254..5430, 5513..5674, 5699..5752, 5771..5797, 5813..6040, 5814..6035, 6071..6331, 6092..6154, 6129..6341, 6338..6403, 6797..6880		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6
Gene No.	100740	Strand	-
Start	3891	End	6961
Name	OJ000114_24.0315.C6.o1.tc	Method	TBLASTX:Cress

Start	1448	End	6403
GI	none	Score	81
Exons	1448..1624, 1557..1637, 1934..1993, 1979..2104, 2117..2344, 2157..2216, 2253..2333, 2439..2573, 2446..2562, 2628..2750, 2629..2709, 2751..2984, 2779..2967, 2986..3261, 3000..3260, 3267..3335, 3271..3333, 3599..3640, 3600..3650, 4584..4760, 4612..4761, 4853..4933, 5080..5199, 5242..5343, 5347..5451, 5516..5656, 5699..5794, 5807..6046, 5808..5942, 5994..6053, 6068..6331, 6129..6332, 6338..6403		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6
Gene No.	100740	Strand	-
Start	3891	End	6961
Name	OJ000114_24.0315.C6.o2.tw	Method	TBLASTX:Wheat
Start	1448	End	5193
GI	none	Score	91
Exons	1448..1624, 1455..1637, 1461..1625, 1510..1647, 1702..1800, 1934..1966, 1979..2068, 1980..2069, 4584..4760, 4584..4760, 4585..4761, 4835..4933, 5035..5079, 5074..5193, 5081..5161		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6
Gene No.	100740	Strand	-
Start	3891	End	6961
Name	OJ000114_24.0315.C6.o3.tw	Method	TBLASTX:Wheat
Start	2141	End	5656
GI	none	Score	56
Exons	2141..2239, 2258..2392, 2258..2305, 2439..2573, 2455..2568, 5242..5406, 5513..5656		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6
Gene No.	100740	Strand	-
Start	3891	End	6961
Name	OJ000114_24.0315.C6.o1.tw	Method	TBLASTX:Wheat
Start	3102	End	6838
GI	none	Score	138
Exons	3102..3260, 3102..3335, 3118..3333, 3589..3630, 3599..3652, 3600..3629, 6173..6403, 6174..6356, 6797..6838, 6798..6830		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6
Gene No.	100740	Strand	-
Start	3891	End	6961
Name	OJ000114_24.0315.C6.o2.np	Method	AAT/NAP
Start	3891	End	6961
GI	5052007	Score	1956
Exons	3891..3959, 4578..4760, 4838..4931, 5036..5439, 5528..6411, 6796..6961		
GI Descrip.	(AF155121) apoplastic invertase [Oryza sativa subsp. indica]		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6
Gene No.	100740	Strand	-
Start	3891	End	6961
Name	OJ000114_24.0315.C6.o3.gs	Method	GENSCAN
Start	4548	End	6877
GI	none	Score	.79
Exons	4548..4760, 4838..4931, 5036..5439, 5528..6402, 6796..6877		

Seq. No.	47353	Seq. ID	OJ000114_24.0315.C6

Gene No.	100740	Strand	-
Start	3891	End	6961
Name	OJ000114_24.0315.C6.o1.gp	Method	AAT/GAP
Start	4683	End	5322
GI	LIB3433-054-P1-K1-G10	Score	807
Exons	4683..4760, 4838..4931, 5036..5322		
GI Descrip.	'480566/pir||S37047 5.0e-35 beta-fructofuranosidase (EC 3.2.1.26) - potato >gi_397631_emb_CAA80358_ (Z22645) beta-fructofuranosidase [Solanum tuberosum]'		

Seq. No.	47354	Seq. ID	OJ000114_24.0315.C7
Gene No.	100741	Strand	-
Start	1239	End	1504
Name	OJ000114_24.0315.C7.o1.gp	Method	AAT/GAP
Start	1239	End	1504
GI	uC-osflcyp080h06a1	Score	511
Exons	1239..1504		
GI Descrip.	'4105124/gb|AF043347|AF043347 3.0e-17 Zea mays cell wall invertase (incw4) gene, complete cds'		

Seq. No.	47355	Seq. ID	OJ000114_24.0315.C8
Gene No.	100742	Strand	+
Start	1769	End	2232
Name	OJ000114_24.0315.C8.o2.np	Method	AAT/NAP
Start	1769	End	2232
GI	6006381	Score	190
Exons	1769..2034, 2061..2232		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	47355	Seq. ID	OJ000114_24.0315.C8
Gene No.	100743	Strand	-
Start	1	End	2368
Name	OJ000114_24.0315.C8.o1.np	Method	AAT/NAP
Start	1	End	1307
GI	6553892	Score	208
Exons	1..82, 149..409, 1209..1307		
GI Descrip.	(AC012563) putative S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Arabidopsis thaliana]		

Seq. No.	47355	Seq. ID	OJ000114_24.0315.C8
Gene No.	100743	Strand	-
Start	1	End	2368
Name	OJ000114_24.0315.C8.o1.gs	Method	GENSCAN
Start	11	End	2368
GI	none	Score	.51
Exons	11..409, 1221..1337, 1982..2159, 2220..2368		

Seq. No.	47355	Seq. ID	OJ000114_24.0315.C8
Gene No.	100744	Strand	-
Start	3643	End	3938
Name	OJ000114_24.0315.C8.o1.ts	Method	TBLASTX:Soybean
Start	5	End	221
GI	4396917	Score	49
Exons	5..79, 9..68, 146..220, 150..221		
GI Descrip.	2982464/emb_CAA18228_ 3.0e-23 (AL022223) putative protein [Arabidopsis thaliana]		

Seq. No.	47355	Seq. ID	OJ000114_24.0315.C8
Gene No.	100744	Strand	-
Start	3643	End	3938
Name	OJ000114_24.0315.C8.o1.tc	Method	TBLASTX:Cress
Start	158	End	1292
GI	none	Score	133
Exons	158..355, 168..347, 338..409, 1221..1292		

Seq. No.	47355	Seq. ID	OJ000114_24.0315.C8
Gene No.	100744	Strand	-
Start	3643	End	3938
Name	OJ000114_24.0315.C8.o2.gs	Method	GENSCAN
Start	3643	End	3938
GI	none	Score	.95
Exons	3643..3654, 3795..3938		

Seq. No.	47356	Seq. ID	OJ000114_24.0315.C9
Gene No.	100745	Strand	+
Start	1	End	4412
Name	OJ000114_24.0315.C9.o2.np	Method	AAT/NAP
Start	1	End	4412
GI	7339707	Score	73
Exons	1..56, 1564..1662, 3112..3247, 4386..4412		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	47356	Seq. ID	OJ000114_24.0315.C9
Gene No.	100745	Strand	+
Start	1	End	4412
Name	OJ000114_24.0315.C9.o1.gs	Method	GENSCAN
Start	1633	End	2515
GI	none	Score	.93
Exons	1633..1786, 2346..2515		

Seq. No.	47356	Seq. ID	OJ000114_24.0315.C9
Gene No.	100746	Strand	-
Start	1298	End	3039
Name	OJ000114_24.0315.C9.o1.np	Method	AAT/NAP
Start	1298	End	3039
GI	7339707	Score	71
Exons	1298..1449, 1513..1684, 2878..3039		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	47356	Seq. ID	OJ000114_24.0315.C9
Gene No.	100746	Strand	-
Start	1298	End	3039
Name	OJ000114_24.0315.C9.o2.gs	Method	GENSCAN
Start	2770	End	3002
GI	none	Score	1
Exons	2770..3002		

Seq. No.	47357	Seq. ID	OJ000114_24.0315.C10
Gene No.	100747	Strand	-
Start	297	End	1903
Name	OJ000114_24.0315.C10.o1.gs	Method	GENSCAN
Start	297	End	1903
GI	none	Score	.76
Exons	297..435, 647..699, 1263..1440, 1834..1903		

Seq. No.	47357	Seq. ID	OJ000114_24.0315.C10
Gene No.	100748	Strand	-
Start	3112	End	3417
Name	OJ000114_24.0315.C10.o1.np	Method	AAT/NAP
Start	3112	End	3417
GI	2494610	Score	189
Exons	3112..3417		
GI Descrip.	CELL DIVISION PROTEIN FTSZ CHLOROPLAST HOMOLOG PRECURSOR gi|1079732 (U39877) cpFtsZ [Arabidopsis thaliana]		

Seq. No.	47357	Seq. ID	OJ000114_24.0315.C10
Gene No.	100748	Strand	-
Start	3112	End	3417
Name	OJ000114_24.0315.C10.o1.gp	Method	AAT/GAP
Start	3201	End	3370
GI	72509_1.R1084	Score	296
Exons	3201..3370		
GI Descrip.	'2494610/sp|Q42545|FTSZ_ARATH 9.0e-72 CELL DIVISION PROTEIN FTSZ CHLOROPLAST HOMOLOG PRECURSOR >gi_1079732 (U39877) cpFtsZ [Arabidopsis thaliana]'		

Seq. No.	47357	Seq. ID	OJ000114_24.0315.C10
Gene No.	100748	Strand	-
Start	3112	End	3417
Name	OJ000114_24.0315.C10.o1.tc	Method	TBLASTX:Cress
Start	3224	End	3371
GI	none	Score	122
Exons	3224..3370, 3234..3371		

Seq. No.	47357	Seq. ID	OJ000114_24.0315.C10
Gene No.	100748	Strand	-
Start	3112	End	3417
Name	OJ000114_24.0315.C10.o1.ts	Method	TBLASTX:Soybean
Start	3224	End	3371
GI	none	Score	153
Exons	3224..3370, 3237..3371		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100749	Strand	+
Start	2982	End	6807
Name	OJ000214_28.0306.C4.o1.gs	Method	GENSCAN
Start	2982	End	6807
GI	none	Score	.82
Exons	2982..3111, 3186..3369, 4607..4680, 4694..4782, 4899..5736, 6251..6807		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100750	Strand	+
Start	7363	End	22954
Name	OJ000214_28.0306.C4.o2.gs	Method	GENSCAN
Start	7363	End	12860
GI	none	Score	.63
Exons	7363..7753, 7890..7927, 9330..9473, 11283..11469, 11471..12102, 12135..12860		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4

Gene No.	100750	Strand	+
Start	7363	End	22954
Name	OJ000214_28.0306.C4.o1.gp	Method	AAT/GAP
Start	7811	End	10287
GI	14968_2.R1084	Score	887
Exons	7811..7927, 9330..9486, 10048..10287		
GI Descrip.	'3850821/emb|CAA77135| 5.0e-18 (Y18350) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]'		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100750	Strand	+
Start	7363	End	22954
Name	OJ000214_28.0306.C4.o1.np	Method	AAT/NAP
Start	11340	End	22954
GI	4678208	Score	1121
Exons	11340..11469, 20608..20954, 21029..21975, 22894..22954		
GI Descrip.	(AC007134) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100750	Strand	+
Start	7363	End	22954
Name	OJ000214_28.0306.C4.o4.gs	Method	GENSCAN
Start	18291	End	21979
GI	none	Score	.76
Exons	18291..18360, 18595..18691, 18940..18967, 19172..19355, 20352..20534, 20536..20954, 21029..21979		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100751	Strand	+
Start	26460	End	28138
Name	OJ000214_28.0306.C4.o2.np	Method	AAT/NAP
Start	26460	End	28138
GI	4678208	Score	1105
Exons	26460..26598, 26670..27016, 27128..28138		
GI Descrip.	(AC007134) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100751	Strand	+
Start	26460	End	28138
Name	OJ000214_28.0306.C4.o5.gs	Method	GENSCAN
Start	26460	End	28078
GI	none	Score	.95
Exons	26460..26598, 26670..27016, 27128..28078		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o1.tw	Method	TBLASTX:Wheat
Start	3302	End	27421
GI	none	Score	169
Exons	3302..3388, 11935..12102, 11938..12084, 21058..21324, 21059..21316, 27155..27214, 27157..27420, 27158..27421		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o1.tc	Method	TBLASTX:Cress

Start	5046	End	5704
GI	none	Score	423
Exons	5046..5444, 5049..5255, 5069..5443, 5325..5462, 5477..5566, 5484..5651, 5497..5568, 5642..5704		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o2.ts	Method	TBLASTX:Soybean
Start	5159	End	5702
GI	none	Score	540
Exons	5159..5557, 5160..5702, 5325..5702		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o2.tm	Method	TBLASTX:Maize
Start	5249	End	5735
GI	none	Score	46
Exons	5249..5278, 5249..5269, 5300..5353, 5307..5351, 5352..5735, 5352..5681, 5477..5734		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o2.tw	Method	TBLASTX:Wheat
Start	9320	End	10142
GI	none	Score	228
Exons	9320..9487, 9329..9484, 9330..9491, 9330..9494, 9331..9492, 10044..10142, 10049..10090, 10050..10091		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o3.ts	Method	TBLASTX:Soybean
Start	9323	End	9490
GI	none	Score	236
Exons	9323..9490, 9324..9488, 9337..9489		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o3.tm	Method	TBLASTX:Maize
Start	9324	End	10097
GI	none	Score	263
Exons	9324..9491, 9325..9492, 9329..9484, 10044..10097		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o4.tc	Method	TBLASTX:Cress
Start	9329	End	10103
GI	none	Score	100
Exons	9329..9487, 9329..9484, 9330..9491, 10044..10103		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-

Start	14685	End	28072
Name	OJ000214_28.0306.C4.o5.tc	Method	TBLASTX:Cress
Start	11400	End	26839
GI	none	Score	95
Exons	11400..11468, 11572..11718, 20453..20533, 20577..20777, 20660..20800, 26532..26597, 26669..26839		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o1.tm	Method	TBLASTX:Maize
Start	11403	End	27976
GI	none	Score	81
Exons	11403..11477, 11560..11760, 11575..11718, 11791..12093, 11859..12059, 12114..12158, 12218..12460, 12219..12452, 12584..12745, 12594..12758, 12624..12752, 20416..20535, 20468..20560, 20577..20957, 20607..20834, 20612..20953, 21026..21292, 21028..21216, 21358..21603, 21359..21595, 21703..21858, 21710..21877, 21734..21862, 26457..26600, 26660..26764, 26669..27046, 26674..27036, 27113..27415, 27119..27214, 27127..27396, 27454..27699, 27455..27715, 27808..27957, 27809..27976, 27863..27976		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o1.ts	Method	TBLASTX:Soybean
Start	11403	End	28069
GI	none	Score	87
Exons	11403..11468, 11572..11718, 11859..12059, 11860..12093, 12114..12158, 12195..12332, 12201..12452, 12221..12460, 12581..12862, 12597..12851, 20453..20533, 20476..20538, 20577..20957, 20615..20956, 21026..21304, 21031..21216, 21290..21595, 21313..21630, 21700..21858, 21710..21970, 21925..21969, 26508..26597, 26669..27037, 26677..27024, 27091..27399, 27125..27421, 27409..27717, 27410..27727, 27808..27957, 27809..28069		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o2.tc	Method	TBLASTX:Cress
Start	11944	End	27562
GI	none	Score	168
Exons	11944..12084, 11965..12075, 12114..12158, 12195..12326, 12200..12337, 12201..12341, 21064..21216, 21065..21307, 21302..21466, 21313..21462, 27163..27405, 27164..27406, 27389..27562, 27409..27558		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o3.tc	Method	TBLASTX:Cress
Start	12633	End	28072
GI	none	Score	227
Exons	12633..12866, 12633..12713, 21752..21973, 21752..21817, 21923..21970, 27851..28072		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o2.gp	Method	AAT/GAP
Start	14210	End	14533
GI	426767	Score	625
Exons	14210..14533		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-15 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	47358	Seq. ID	OJ000214_28.0306.C4
Gene No.	100752	Strand	-
Start	14685	End	28072
Name	OJ000214_28.0306.C4.o3.gs	Method	GENSCAN
Start	14685	End	16384
GI	none	Score	.83
Exons	14685..15084, 16026..16384		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100753	Strand	+
Start	2112	End	3639
Name	OJ000214_28.0306.C5.o1.gs	Method	GENSCAN
Start	2112	End	3639
GI	none	Score	1
Exons	2112..2253, 2340..2774, 2801..3639		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o2.tm	Method	TBLASTX:Maize
Start	2098	End	3537
GI	none	Score	46
Exons	2098..2151, 2178..2255, 2339..2749, 2344..2748, 2752..2943, 2754..2876, 3003..3263, 3019..3279, 3201..3518, 3370..3537		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o1.ts	Method	TBLASTX:Soybean
Start	2169	End	3630
GI	none	Score	97
Exons	2169..2252, 2339..2746, 2458..2739, 2758..2961, 2760..2960, 2973..3281, 2974..3291, 3369..3518, 3370..3630, 3585..3620		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o6.tc	Method	TBLASTX:Cress
Start	2187	End	2509
GI	none	Score	86
Exons	2187..2252, 2339..2509		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o2.tw	Method	TBLASTX:Wheat

Start	2714	End	2984
GI	none	Score	52
Exons	2714..2749, 2752..2976, 2755..2889, 2757..2984		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o1.tc	Method	TBLASTX:Cress
Start	2758	End	3126
GI	none	Score	242
Exons	2758..2961, 2760..2960, 2973..3122, 2974..3126		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o3.tc	Method	TBLASTX:Cress
Start	3408	End	3630
GI	none	Score	213
Exons	3408..3491, 3412..3630, 3583..3630		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o2.gs	Method	GENSCAN
Start	4202	End	8640
GI	none	Score	.83
Exons	4202..4366, 4835..5073, 5683..5753, 6787..6857, 6988..7068, 7160..7348, 7576..7779, 7872..8013, 8337..8404, 8503..8640		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o1.np	Method	AAT/NAP
Start	4220	End	8637
GI	6751682	Score	1491
Exons	4220..4373, 4836..5073, 5184..5270, 5683..5753, 6787..6868, 6967..7068, 7160..7779, 7872..8013, 8337..8404, 8503..8637		
GI Descrip.	(AC018908) putative U2 snRNP auxiliary factor [Arabidopsis thaliana]		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o1.tm	Method	TBLASTX:Maize
Start	4801	End	8646
GI	none	Score	37
Exons	4801..4872, 4884..4931, 4956..4997, 6817..6843, 6946..7068, 6964..7065, 7156..7491, 7156..7500, 7157..7501, 7482..7622, 7482..7745, 7483..7752, 7483..7782, 7662..7787, 7891..8016, 7896..8015, 7896..8018, 7897..8016, 8335..8406, 8336..8407, 8336..8407, 8498..8644, 8500..8646, 8502..8645		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o2.ts	Method	TBLASTX:Soybean
Start	6783	End	8407

GI	none	Score	59
Exons	6783..6845, 6972..7040, 6979..7065, 6990..7067, 7156..7500, 7157..7501, 7157..7501, 7447..7713, 7476..7739, 7482..7715, 7483..7740, 7720..7755, 7722..7745, 7908..8015, 8335..8406, 8336..8407		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o5.tc	Method	TBLASTX:Cress
Start	6991	End	7228
GI	none	Score	122
Exons	6991..7065, 6993..7067, 7156..7227, 7157..7228		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o1.tw	Method	TBLASTX:Wheat
Start	7174	End	7447
GI	none	Score	433
Exons	7174..7446, 7184..7447		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o2.tc	Method	TBLASTX:Cress
Start	7519	End	7755
GI	none	Score	345
Exons	7519..7755, 7521..7739		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o4.tc	Method	TBLASTX:Cress
Start	7896	End	8631
GI	none	Score	144
Exons	7896..8012, 8333..8407, 8335..8406, 8500..8631, 8502..8624		

Seq. No.	47359	Seq. ID	OJ000214_28.0306.C5
Gene No.	100754	Strand	+
Start	4202	End	8699
Name	OJ000214_28.0306.C5.o1.gp	Method	AAT/GAP
Start	8132	End	8699
GI	2311546	Score	831
Exons	8132..8404, 8503..8699		
GI Descrip.	3850821/emb|CAA77135| 5.0e-18 (Y18350) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]		

Seq. No.	47360	Seq. ID	OJ000214_28.0306.C7
Gene No.	100755	Strand	-
Start	1	End	712
Name	OJ000214_28.0306.C7.o1.np	Method	AAT/NAP
Start	1	End	712
GI	1076821	Score	229
Exons	1..26, 334..447, 563..712		
GI Descrip.	probable 1-acyl-glycerol-3-phosphate acyltransferase - maize gi|575960|emb|CAA82638| (Z29518) 1-acyl-glycerol-3-phosphate		

acyltransferase (putative) [Zea mays]

Seq. No.	47360	Seq. ID	OJ000214_28.0306.C7
Gene No.	100755	Strand	-
Start	1	End	712
Name	OJ000214_28.0306.C7.o1.gs	Method	GENSCAN
Start	310	End	655
GI	none	Score	83
Exons	310..447, 563..655		

Seq. No.	47360	Seq. ID	OJ000214_28.0306.C7
Gene No.	100755	Strand	-
Start	1	End	712
Name	OJ000214_28.0306.C7.o1.tm	Method	TBLASTX:Maize
Start	334	End	655
GI	none	Score	138
Exons	334..450, 362..448, 362..460, 563..655	558..653, 562..654, 563..655,	

Seq. No.	47360	Seq. ID	OJ000214_28.0306.C7
Gene No.	100755	Strand	-
Start	1	End	712
Name	OJ000214_28.0306.C7.o1.gp	Method	AAT/GAP
Start	360	End	691
GI	15647_1.R1084	Score	281
Exons	360..447, 563..691		
GI Descrip.	'1076821/pir||S52645 3.0e-47 probable 1-acyl-glycerol-3-phosphate acyltransferase - maize >gi_575960_emb_CAA82638_ (Z29518) 1-acyl-glycerol-3-phosphate acyltransferase (putative) [Zea mays]'		

Seq. No.	47361	Seq. ID	OJ000214_28.0306.C8
Gene No.	100756	Strand	+
Start	825	End	990
Name	OJ000214_28.0306.C8.o1.gp	Method	AAT/GAP
Start	825	End	990
GI	45517_1.R1084	Score	295
Exons	825..990		
GI Descrip.	'4938503/emb|CAB43861.1| 2.0e-33 (AL078465) hnRNP-like protein [Arabidopsis thaliana]'		

Seq. No.	47362	Seq. ID	OJ000214_28.0306.C10
Gene No.	100757	Strand	-
Start	2880	End	3172
Name	OJ000214_28.0306.C10.o1.gp	Method	AAT/GAP
Start	2642	End	3172
GI	15647_1.R1084	Score	999
Exons	2642..3172		
GI Descrip.	'1076821/pir||S52645 3.0e-47 probable 1-acyl-glycerol-3-phosphate acyltransferase - maize >gi_575960_emb_CAA82638_ (Z29518) 1-acyl-glycerol-3-phosphate acyltransferase (putative) [Zea mays]'		

Seq. No.	47362	Seq. ID	OJ000214_28.0306.C10
Gene No.	100757	Strand	-
Start	2880	End	3172
Name	OJ000214_28.0306.C10.o1.gs	Method	GENSCAN

Start	2880	End	3169
GI	none	Score	.51
Exons	2880..3169		

Seq. No.	47362	Seq. ID	OJ000214_28.0306.C10
Gene No.	100757	Strand	-
Start	2880	End	3172
Name	OJ000214_28.0306.C10.o1.tm	Method	TBLASTX:Maize
Start	2961	End	3171
GI	none	Score	258
Exons	2961..3170, 2971..3171, 2999..3169		

Seq. No.	47362	Seq. ID	OJ000214_28.0306.C10
Gene No.	100757	Strand	-
Start	2880	End	3172
Name	OJ000214_28.0306.C10.o1.tw	Method	TBLASTX:Wheat
Start	2961	End	3171
GI	none	Score	114
Exons	2961..3050, 2964..3044, 2999..3049, 3050..3169, 3051..3170, 3085..3171		

Seq. No.	47362	Seq. ID	OJ000214_28.0306.C10
Gene No.	100757	Strand	-
Start	2880	End	3172
Name	OJ000214_28.0306.C10.o1.np	Method	AAT/NAP
Start	2966	End	3169
GI	1076821	Score	261
Exons	2966..3169		
GI Descrip.	probable 1-acyl-glycerol-3-phosphate acyltransferase - maize gi|575960|emb|CAA82638| (Z29518) 1-acyl-glycerol-3-phosphate acyltransferase (putative) [Zea mays]		

Seq. No.	47363	Seq. ID	OJ000214_28.0306.C11
Gene No.	100758	Strand	+
Start	2748	End	12207
Name	OJ000214_28.0306.C11.o1.gs	Method	GENSCAN
Start	2748	End	11878
GI	none	Score	.45
Exons	2748..2808, 3597..3721, 4224..4367, 7353..7449, 9130..9345, 9747..9868, 9979..10062, 10173..10470, 11159..11336, 11818..11878		

Seq. No.	47363	Seq. ID	OJ000214_28.0306.C11
Gene No.	100758	Strand	+
Start	2748	End	12207
Name	OJ000214_28.0306.C11.o2.np	Method	AAT/NAP
Start	9988	End	12207
GI	7450580	Score	266
Exons	9988..10062, 10173..10305, 10393..10466, 11197..11336, 11815..11882, 12185..12207		
GI Descrip.	probable GTP binding protein slr1974 - Synechocystis sp. (strain PCC 6803) gi|1653291|dbj|BAA18206.1| (D90912) hypothetical protein [Synechocystis sp.]		

Seq. No.	47363	Seq. ID	OJ000214_28.0306.C11
Gene No.	100759	Strand	-
Start	1	End	4353

Name	OJ000214_28.0306.C11.o1.gp	Method	AAT/GAP
Start	1	End	4353
GI	23815_1.R1084	Score	1539
Exons	1..53, 1290..1448, 1531..1608, 2449..2508, 2632..2705, 2799..2838, 3566..3688, 4094..4353		
GI Descrip.	'1076821/pir||S52645 1.0e-115 probable 1-acyl-glycerol-3-phosphate acyltransferase - maize >gi_575960_emb_CAA82638_ (Z29518) 1-acyl-glycerol-3-phosphate acyltransferase (putative) [Zea mays]'		

Seq. No.	47363	Seq. ID	OJ000214_28.0306.C11
Gene No.	100759	Strand	-
Start	1	End	4353
Name	OJ000214_28.0306.C11.o1.np	Method	AAT/NAP
Start	1	End	4174
GI	1076821	Score	897
Exons	1..53, 1290..1448, 1531..1608, 2449..2508, 2632..2705, 2799..2838, 3566..3688, 4094..4174		
GI Descrip.	probable 1-acyl-glycerol-3-phosphate acyltransferase - maize gi|575960|emb|CAA82638| (Z29518) 1-acyl-glycerol-3-phosphate acyltransferase (putative) [Zea mays]		

Seq. No.	47363	Seq. ID	OJ000214_28.0306.C11
Gene No.	100759	Strand	-
Start	1	End	4353
Name	OJ000214_28.0306.C11.o1.tm	Method	TBLASTX:Maize
Start	16	End	2497
GI	none	Score	253
Exons	16..60, 1290..1448, 1294..1452, 1531..1614, 1532..1609, 1537..1647, 2444..2497, 2446..2496, 2447..2497		

Seq. No.	47363	Seq. ID	OJ000214_28.0306.C11
Gene No.	100759	Strand	-
Start	1	End	4353
Name	OJ000214_28.0306.C11.o1.ts	Method	TBLASTX:Soybean
Start	1290	End	1614
GI	none	Score	166
Exons	1290..1445, 1294..1452, 1531..1614, 1532..1609		

Seq. No.	47363	Seq. ID	OJ000214_28.0306.C11
Gene No.	100759	Strand	-
Start	1	End	4353
Name	OJ000214_28.0306.C11.o1.tc	Method	TBLASTX:Cress
Start	1353	End	2716
GI	none	Score	90
Exons	1353..1445, 1354..1455, 1362..1457, 1531..1614, 1532..1609, 1543..1647, 2444..2512, 2446..2511, 2447..2512, 2449..2514, 2626..2709, 2632..2709, 2636..2716		

Seq. No.	47363	Seq. ID	OJ000214_28.0306.C11
Gene No.	100759	Strand	-
Start	1	End	4353
Name	OJ000214_28.0306.C11.o2.ts	Method	TBLASTX:Soybean
Start	2444	End	3694
GI	none	Score	104
Exons	2444..2512, 2446..2511, 2455..2514, 2456..2512, 2621..2698, 2626..2709, 2636..2707, 3564..3665, 3565..3666, 3566..3670,		

3617..3694

Seq. No.	47364	Seq. ID	OJ000214_28.0306.C12
Gene No.	100760	Strand	+
Start	236	End	2388
Name	OJ000214_28.0306.C12.o1.gs	Method	GENSCAN
Start	236	End	2388
GI	none	Score	.84
Exons	236..406, 508..701, 1018..1136, 1215..1242, 1597..1781, 2324..2388		

Seq. No.	47364	Seq. ID	OJ000214_28.0306.C12
Gene No.	100760	Strand	+
Start	236	End	2388
Name	OJ000214_28.0306.C12.o1.np	Method	AAT/NAP
Start	314	End	1807
GI	1549379	Score	412
Exons	314..406, 508..701, 1018..1168, 1619..1807		
GI Descrip.	(U62737) putative protein [Synechococcus PCC7942]		

Seq. No.	47364	Seq. ID	OJ000214_28.0306.C12
Gene No.	100761	Strand	-
Start	2332	End	2597
Name	OJ000214_28.0306.C12.o1.tc	Method	TBLASTX:Cress
Start	242	End	642
GI	none	Score	221
Exons	242..406, 244..408, 267..407, 442..642, 505..615		

Seq. No.	47364	Seq. ID	OJ000214_28.0306.C12
Gene No.	100761	Strand	-
Start	2332	End	2597
Name	OJ000214_28.0306.C12.o1.tm	Method	TBLASTX:Maize
Start	281	End	2381
GI	none	Score	179
Exons	281..406, 281..406, 282..413, 285..407, 442..708, 505..711, 1006..1110, 1016..1174, 1019..1168, 1134..1169, 1615..1788, 1616..1789, 2322..2381		

Seq. No.	47364	Seq. ID	OJ000214_28.0306.C12
Gene No.	100761	Strand	-
Start	2332	End	2597
Name	OJ000214_28.0306.C12.o1.ts	Method	TBLASTX:Soybean
Start	1616	End	1777
GI	none	Score	231
Exons	1616..1777, 1618..1758		

Seq. No.	47364	Seq. ID	OJ000214_28.0306.C12
Gene No.	100761	Strand	-
Start	2332	End	2597
Name	OJ000214_28.0306.C12.o2.tc	Method	TBLASTX:Cress
Start	1616	End	1783
GI	none	Score	139
Exons	1616..1702, 1618..1701, 1705..1782, 1706..1783		

Seq. No.	47364	Seq. ID	OJ000214_28.0306.C12
Gene No.	100761	Strand	-
Start	2332	End	2597

Name	OJ000214_28.0306.C12.o1.gp	Method	AAT/GAP
Start	2332	End	2597
GI	uC-osflcyp135g02a1	Score	508
Exons	2332..2597		
GI Descrip.	'5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	47365	Seq. ID	OJ000214_28.0306.C13
Gene No.	100762	Strand	+
Start	1152	End	3669
Name	OJ000214_28.0306.C13.o1.gs	Method	GENSCAN
Start	1152	End	2906
GI	none	Score	.77
Exons	1152..1216, 1293..1345, 1725..2383, 2886..2906		

Seq. No.	47365	Seq. ID	OJ000214_28.0306.C13
Gene No.	100762	Strand	+
Start	1152	End	3669
Name	OJ000214_28.0306.C13.o1.gp	Method	AAT/GAP
Start	2205	End	3669
GI	2428351	Score	374
Exons	2205..2383, 3637..3669		

Seq. No.	47366	Seq. ID	OJ000214_28.0306.C14
Gene No.	100763	Strand	+
Start	956	End	3927
Name	OJ000214_28.0306.C14.o1.gs	Method	GENSCAN
Start	956	End	3927
GI	none	Score	.79
Exons	956..982, 2421..2514, 2728..3094, 3223..3371, 3908..3927		

Seq. No.	47366	Seq. ID	OJ000214_28.0306.C14
Gene No.	100764	Strand	+
Start	5023	End	6295
Name	OJ000214_28.0306.C14.o2.gs	Method	GENSCAN
Start	5023	End	6295
GI	none	Score	.6
Exons	5023..5224, 5802..5824, 5958..6064, 6184..6295		

Seq. No.	47366	Seq. ID	OJ000214_28.0306.C14
Gene No.	100765	Strand	-
Start	5810	End	6944
Name	OJ000214_28.0306.C14.o1.np	Method	AAT/NAP
Start	5810	End	6944
GI	6907086	Score	214
Exons	5810..6156, 6218..6365, 6438..6543, 6598..6944		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47367	Seq. ID	OJ000214_28.0306.C15
Gene No.	100766	Strand	+
Start	94	End	2489
Name	OJ000214_28.0306.C15.o1.gs	Method	GENSCAN
Start	94	End	2489
GI	none	Score	.53
Exons	94..181, 593..691, 2225..2252, 2318..2489		

Seq. No.	47367	Seq. ID	OJ000214_28.0306.C15

Gene No.	100767	Strand	-
Start	1	End	3613
Name	OJ000214_28.0306.C15.o1.np	Method	AAT/NAP
Start	1	End	1452
GI	6907088	Score	175
Exons	1..378, 873..1093, 1318..1452		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47367	Seq. ID	OJ000214_28.0306.C15
Gene No.	100767	Strand	-
Start	1	End	3613
Name	OJ000214_28.0306.C15.o2.np	Method	AAT/NAP
Start	669	End	3613
GI	4680186	Score	167
Exons	669..710, 1328..1459, 2067..2241, 3583..3613		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47367	Seq. ID	OJ000214_28.0306.C15
Gene No.	100768	Strand	-
Start	3622	End	13308
Name	OJ000214_28.0306.C15.o2.gs	Method	GENSCAN
Start	3622	End	13308
GI	none	Score	.48
Exons	3622..3680, 5779..5846, 6002..6075, 6202..6258, 7077..7217, 7261..7383, 11049..11205, 11287..11403, 13068..13093, 13204..13308		

Seq. No.	47368	Seq. ID	OJ000214_28.0306.C16
Gene No.	100769	Strand	+
Start	470	End	2462
Name	OJ000214_28.0306.C16.o1.gs	Method	GENSCAN
Start	470	End	2462
GI	none	Score	.41
Exons	470..557, 648..772, 2451..2462		

Seq. No.	47368	Seq. ID	OJ000214_28.0306.C16
Gene No.	100770	Strand	+
Start	3180	End	3909
Name	OJ000214_28.0306.C16.o1.gp	Method	AAT/GAP
Start	3180	End	3909
GI	LIB3431-010-P1-K1-H2	Score	566
Exons	3180..3240, 3625..3909		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-15 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	47368	Seq. ID	OJ000214_28.0306.C16
Gene No.	100771	Strand	-
Start	1	End	5365
Name	OJ000214_28.0306.C16.o1.np	Method	AAT/NAP
Start	1	End	4922
GI	7228457	Score	46
Exons	1..27, 4704..4922		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47368	Seq. ID	OJ000214_28.0306.C16

Gene No.	100771	Strand	-
Start	1	End	5365
Name	OJ000214_28.0306.C16.o2.gs	Method	GENSCAN
Start	4698	End	5365
GI	none	Score	.78
Exons	4698..4844, 5147..5365		

Seq. No.	47369	Seq. ID	OJ000214_28.0306.C19
Gene No.	100772	Strand	+
Start	1	End	1562
Name	OJ000214_28.0306.C19.o1.gp	Method	AAT/GAP
Start	1	End	414
GI	45517_1.R1084	Score	373
Exons	1..165, 348..414		
GI Descrip.	'4938503/emb|CAB43861.1| 2.0e-33 (AL078465) hnRNP-like protein [Arabidopsis thaliana]'		

Seq. No.	47369	Seq. ID	OJ000214_28.0306.C19
Gene No.	100772	Strand	+
Start	1	End	1562
Name	OJ000214_28.0306.C19.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1358
GI	none	Score	226
Exons	1..168, 3..167, 10..135, 347..385, 348..716, 357..710, 437..715, 444..617, 455..610, 641..682, 702..866, 708..815, 870..1073, 871..981, 1185..1277, 1296..1358		

Seq. No.	47369	Seq. ID	OJ000214_28.0306.C19
Gene No.	100772	Strand	+
Start	1	End	1562
Name	OJ000214_28.0306.C19.o1.tm	Method	TBLASTX:Maize
Start	1	End	1526
GI	none	Score	215
Exons	1..168, 3..185, 10..135, 347..379, 348..383, 419..838, 435..944, 437..718, 443..577, 444..587, 480..815, 526..894, 630..680, 641..682, 921..1073, 1280..1309, 1321..1368, 1397..1444, 1401..1445, 1433..1522, 1455..1526		

Seq. No.	47369	Seq. ID	OJ000214_28.0306.C19
Gene No.	100772	Strand	+
Start	1	End	1562
Name	OJ000214_28.0306.C19.o1.tc	Method	TBLASTX:Cress
Start	1	End	803
GI	none	Score	184
Exons	1..249, 3..185, 10..135, 347..385, 348..392, 435..722, 437..718, 444..560, 741..803		

Seq. No.	47369	Seq. ID	OJ000214_28.0306.C19
Gene No.	100772	Strand	+
Start	1	End	1562
Name	OJ000214_28.0306.C19.o1.np	Method	AAT/NAP
Start	1	End	1562
GI	6648193	Score	1116
Exons	1..165, 348..1562		
GI Descrip.	(AC013483) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	47369	Seq. ID	OJ000214_28.0306.C19

Gene No.	100772	Strand	+
Start	1	End	1562
Name	OJ000214_28.0306.C19.o1.gs	Method	GENSCAN
Start	55	End	1529
GI	none	Score	.94
Exons	55..255, 348..1529		

Seq. No.	47370	Seq. ID	OJ000114_20.0315.C2
Gene No.	100773	Strand	+
Start	25	End	168
Name	OJ000114_20.0315.C2.o1.gs	Method	GENSCAN
Start	25	End	168
GI	none	Score	.86
Exons	25..168		

Seq. No.	47371	Seq. ID	OJ000114_20.0315.C5
Gene No.	100774	Strand	+
Start	3161	End	4437
Name	OJ000114_20.0315.C5.o2.gs	Method	GENSCAN
Start	3161	End	4437
GI	none	Score	.93
Exons	3161..3412, 3548..3741, 4269..4437		

Seq. No.	47371	Seq. ID	OJ000114_20.0315.C5
Gene No.	100775	Strand	+
Start	15698	End	16654
Name	OJ000114_20.0315.C5.o4.gs	Method	GENSCAN
Start	15698	End	16654
GI	none	Score	.46
Exons	15698..15772, 16478..16654		

Seq. No.	47371	Seq. ID	OJ000114_20.0315.C5
Gene No.	100776	Strand	+
Start	16655	End	16762
Name	OJ000114_20.0315.C5.o3.np	Method	AAT/NAP
Start	16655	End	16762
GI	5922619	Score	89
Exons	16655..16762		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	47371	Seq. ID	OJ000114_20.0315.C5
Gene No.	100777	Strand	+
Start	19029	End	22214
Name	OJ000114_20.0315.C5.o5.gs	Method	GENSCAN
Start	19029	End	22214
GI	none	Score	.44
Exons	19029..19059, 19065..19247, 19278..19451, 19565..19650, 20005..20037, 20903..21109, 21239..21307, 21803..21899, 21996..22078, 22137..22214		

Seq. No.	47371	Seq. ID	OJ000114_20.0315.C5
Gene No.	100778	Strand	-
Start	1	End	1845
Name	OJ000114_20.0315.C5.o1.np	Method	AAT/NAP
Start	1	End	1442

GI	4733891	Score	838
Exons	1..343, 440..596, 706..851, 938..1081, 1311..1442		
GI Descrip.	(AF104924) unconventional myosin heavy chain [Zea mays]		

Seq. No.	47371	Seq. ID	OJ000114_20.0315.C5
Gene No.	100778	Strand	-
Start	1	End	1845
Name	OJ000114_20.0315.C5.o1.gs	Method	GENSCAN
Start	702	End	1845
GI	none	Score	.63
Exons	702..851, 938..1081, 1311..1439, 1591..1845		

Seq. No.	47371	Seq. ID	OJ000114_20.0315.C5
Gene No.	100779	Strand	-
Start	10136	End	12266
Name	OJ000114_20.0315.C5.o2.np	Method	AAT/NAP
Start	10136	End	12266
GI	7523517	Score	291
Exons	10136..10242, 11766..11811, 11956..12266		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47371	Seq. ID	OJ000114_20.0315.C5
Gene No.	100780	Strand	-
Start	16902	End	16994
Name	OJ000114_20.0315.C5.o1.tc	Method	TBLASTX:Cress
Start	437	End	1457
GI	none	Score	235
Exons	437..604, 441..605, 500..607, 696..830, 700..855, 705..851, 938..1057, 939..1058, 1308..1457, 1314..1421		

Seq. No.	47371	Seq. ID	OJ000114_20.0315.C5
Gene No.	100780	Strand	-
Start	16902	End	16994
Name	OJ000114_20.0315.C5.o4.np	Method	AAT/NAP
Start	16902	End	16994
GI	6630699	Score	77
Exons	16902..16994		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47371	Seq. ID	OJ000114_20.0315.C5
Gene No.	100781	Strand	
Start	20898	End	21325
Name	OJ000114_20.0315.C5.o1.tm	Method	TBLASTX:Maize
Start	20898	End	21325
GI	none	Score	39
Exons	20898..20933, 20900..20935, 20902..20934, 20931..21005, 20934..21002, 20935..21006, 21003..21041, 21005..21019, 21022..21129, 21023..21202, 21023..21205, 21175..21291, 21182..21292, 21290..21325		

Seq. No.	47372	Seq. ID	OJ000114_20.0315.C6
Gene No.	100782	Strand	+
Start	228	End	4128
Name	OJ000114_20.0315.C6.o1.gs	Method	GENSCAN
Start	228	End	4128

GI	none	Score	.69
Exons	228..303, 397..518, 1773..1821, 2033..2282, 2818..2963, 3043..3190, 4033..4128		

Seq. No.	47372	Seq. ID	OJ000114_20.0315.C6
Gene No.	100783	Strand	+
Start	11844	End	12095
Name	OJ000114_20.0315.C6.o4.gs	Method	GENSCAN
Start	11844	End	12095
GI	none	Score	.93
Exons	11844..12095		

Seq. No.	47372	Seq. ID	OJ000114_20.0315.C6
Gene No.	100784	Strand	-
Start	4528	End	10283
Name	OJ000114_20.0315.C6.o1.np	Method	AAT/NAP
Start	4528	End	10283
GI	7488141	Score	1434
Exons	4528..4579, 5104..6521, 9532..9749, 9848..9881, 10092..10283		
GI Descrip.	probable peptide transport protein T17F15.170 - Arabidopsis thaliana gi|4678332|emb|CAB41143.1| (AL049658) putative peptide transporter [Arabidopsis thaliana]		

Seq. No.	47372	Seq. ID	OJ000114_20.0315.C6
Gene No.	100784	Strand	-
Start	4528	End	10283
Name	OJ000114_20.0315.C6.o1.gp	Method	AAT/GAP
Start	4804	End	5856
GI	16142_1.R1084	Score	2069
Exons	4804..5856		
GI Descrip.	'4678332/emb|CAB41143.1| 5.0e-63 (AL049658) putative peptide transporter [Arabidopsis thaliana]'		

Seq. No.	47372	Seq. ID	OJ000114_20.0315.C6
Gene No.	100784	Strand	-
Start	4528	End	10283
Name	OJ000114_20.0315.C6.o2.gs	Method	GENSCAN
Start	5121	End	6533
GI	none	Score	.81
Exons	5121..6533		

Seq. No.	47372	Seq. ID	OJ000114_20.0315.C6
Gene No.	100784	Strand	-
Start	4528	End	10283
Name	OJ000114_20.0315.C6.o2.gp	Method	AAT/GAP
Start	6465	End	10072
GI	25730_1.R1084	Score	960
Exons	6465..6521, 9532..9749, 9848..10072		
GI Descrip.	'4678332/emb|CAB41143.1| 3.0e-21 (AL049658) putative peptide transporter [Arabidopsis thaliana]'		

Seq. No.	47372	Seq. ID	OJ000114_20.0315.C6
Gene No.	100784	Strand	-
Start	4528	End	10283
Name	OJ000114_20.0315.C6.o3.gs	Method	GENSCAN
Start	8086	End	9992
GI	none	Score	.93

Exons	8086..8094, 9532..9749, 9773..9992		
Seq. No.	47372	Seq. ID	OJ000114_20.0315.C6
Gene No.	100785	Strand	-
Start	12623	End	13052
Name	OJ000114_20.0315.C6.o2.tm	Method	TBLASTX:Maize
Start	3884	End	4417
GI	none	Score	82
Exons	3884..3955, 3885..3959, 3885..3956, 3886..3993, 3887..3961, 3993..4133, 4030..4134, 4030..4137, 4147..4170, 4147..4170, 4151..4198, 4237..4266, 4237..4335, 4333..4395, 4334..4417		
Seq. No.	47372	Seq. ID	OJ000114_20.0315.C6
Gene No.	100785	Strand	-
Start	12623	End	13052
Name	OJ000114_20.0315.C6.o1.tc	Method	TBLASTX:Cress
Start	5127	End	9908
GI	none	Score	83
Exons	5127..5276, 5283..5492, 5520..5738, 5718..5903, 5815..5895, 5932..6009, 5940..5993, 6037..6204, 6042..6461, 9568..9750, 9846..9908		
Seq. No.	47372	Seq. ID	OJ000114_20.0315.C6
Gene No.	100785	Strand	-
Start	12623	End	13052
Name	OJ000114_20.0315.C6.o1.tm	Method	TBLASTX:Maize
Start	5130	End	9944
GI	none	Score	542
Exons	5130..5735, 5137..5583, 5613..5681, 5665..5736, 5677..5736, 5736..6521, 5740..6264, 6304..6522, 9568..9750, 9602..9712, 9826..9885, 9835..9894, 9846..9896, 9900..9944		
Seq. No.	47372	Seq. ID	OJ000114_20.0315.C6
Gene No.	100785	Strand	-
Start	12623	End	13052
Name	OJ000114_20.0315.C6.o1.tw	Method	TBLASTX:Wheat
Start	5130	End	5456
GI	none	Score	103
Exons	5130..5276, 5262..5456, 5263..5451		
Seq. No.	47372	Seq. ID	OJ000114_20.0315.C6
Gene No.	100785	Strand	-
Start	12623	End	13052
Name	OJ000114_20.0315.C6.o1.ts	Method	TBLASTX:Soybean
Start	5139	End	9747
GI	none	Score	110
Exons	5139..5246, 5250..5468, 5520..5894, 5940..5993, 6036..6299, 6037..6246, 6333..6521, 6334..6477, 9568..9747		
Seq. No.	47372	Seq. ID	OJ000114_20.0315.C6
Gene No.	100785	Strand	-
Start	12623	End	13052
Name	OJ000114_20.0315.C6.o5.gs	Method	GENSCAN
Start	12623	End	13052
GI	none	Score	.42
Exons	12623..12720, 12761..13052		

Seq. No.	47373	Seq. ID	OJ000114_20.0315.C8
Gene No.	100786	Strand	+
Start	506	End	621
Name	OJ000114_20.0315.C8.o1.gs	Method	GENSCAN
Start	506	End	621
GI	none	Score	.85
Exons	506..621		

Seq. No.	47373	Seq. ID	OJ000114_20.0315.C8
Gene No.	100787	Strand	+
Start	2844	End	3199
Name	OJ000114_20.0315.C8.o1.gp	Method	AAT/GAP
Start	2844	End	3199
GI	none	Score	697
Exons	2844..3199		

Seq. No.	47373	Seq. ID	OJ000114_20.0315.C8
Gene No.	100788	Strand	-
Start	2194	End	2272
Name	OJ000114_20.0315.C8.o2.gs	Method	GENSCAN
Start	2194	End	2272
GI	none	Score	.56
Exons	2194..2272		

Seq. No.	47374	Seq. ID	OJ000114_20.0315.C9
Gene No.	100789	Strand	+
Start	1	End	241
Name	OJ000114_20.0315.C9.o1.gp	Method	AAT/GAP
Start	1	End	241
GI	LIB3431-028-P1-N1-G5	Score	104
Exons	1..89, 220..241		
GI Descrip.	'4680335/gb|AF128457.1|AF128457 5.0e-16 Oryza sativa subsp. indica BAC clone 16F19 php20725 region, complete sequence'		

Seq. No.	47374	Seq. ID	OJ000114_20.0315.C9
Gene No.	100790	Strand	-
Start	631	End	1029
Name	OJ000114_20.0315.C9.o1.gs	Method	GENSCAN
Start	631	End	1029
GI	none	Score	.54
Exons	631..720, 934..1029		

Seq. No.	47375	Seq. ID	OJ000114_20.0315.C10
Gene No.	100791	Strand	-
Start	1	End	1683
Name	OJ000114_20.0315.C10.o1.np	Method	AAT/NAP
Start	1	End	1683
GI	6539570	Score	172
Exons	1..44, 1236..1309, 1482..1683		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	47375	Seq. ID	OJ000114_20.0315.C10
Gene No.	100791	Strand	-
Start	1	End	1683
Name	OJ000114_20.0315.C10.o1.gs	Method	GENSCAN
Start	1529	End	1648
GI	none	Score	.71

Exons	1529..1648		
Seq. No.	47376	Seq. ID	OJ000114_20.0315.C11
Gene No.	100792	Strand	+
Start	1	End	605
Name	OJ000114_20.0315.C11.o1.np	Method	AAT/NAP
Start	1	End	605
GI	6498436	Score	232
Exons	1..252, 492..605		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	47377	Seq. ID	OJ000114_20.0315.C12
Gene No.	100793	Strand	-
Start	218	End	964
Name	OJ000114_20.0315.C12.o1.gs	Method	GENSCAN
Start	218	End	964
GI	none	Score	1
Exons	218..964		
Seq. No.	47378	Seq. ID	OJ000114_20.0315.C13
Gene No.	100794	Strand	+
Start	1	End	12492
Name	OJ000114_20.0315.C13.o1.np	Method	AAT/NAP
Start	1	End	12492
GI	7340868	Score	198
Exons	1..61, 10361..10599, 12432..12492		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		
Seq. No.	47378	Seq. ID	OJ000114_20.0315.C13
Gene No.	100794	Strand	+
Start	1	End	12492
Name	OJ000114_20.0315.C13.o5.gs	Method	GENSCAN
Start	9235	End	10441
GI	none	Score	.49
Exons	9235..9236, 9541..9685, 9690..9740, 10295..10441		
Seq. No.	47378	Seq. ID	OJ000114_20.0315.C13
Gene No.	100795	Strand	-
Start	109	End	677
Name	OJ000114_20.0315.C13.o1.gs	Method	GENSCAN
Start	109	End	677
GI	none	Score	.81
Exons	109..417, 423..526, 623..677		
Seq. No.	47378	Seq. ID	OJ000114_20.0315.C13
Gene No.	100796	Strand	-
Start	1879	End	2613
Name	OJ000114_20.0315.C13.o2.gs	Method	GENSCAN
Start	1879	End	2613
GI	none	Score	1
Exons	1879..2613		
Seq. No.	47378	Seq. ID	OJ000114_20.0315.C13
Gene No.	100797	Strand	-
Start	4844	End	6541
Name	OJ000114_20.0315.C13.o3.gs	Method	GENSCAN
Start	4844	End	6541

GI	none	Score	.95
Exons	4844..5362, 5985..6160, 6487..6541		

Seq. No.	47378	Seq. ID	OJ000114_20.0315.C13
Gene No.	100798	Strand	-
Start	7432	End	8170
Name	OJ000114_20.0315.C13.o4.gs	Method	GENSCAN
Start	7432	End	8170
GI	none	Score	.95
Exons	7432..7629, 7703..8170		

Seq. No.	47378	Seq. ID	OJ000114_20.0315.C13
Gene No.	100799	Strand	-
Start	11622	End	12444
Name	OJ000114_20.0315.C13.o6.gs	Method	GENSCAN
Start	11622	End	12444
GI	none	Score	.71
Exons	11622..11685, 11738..12444		

Seq. No.	47379	Seq. ID	OJ000114_20.0315.C14
Gene No.	100800	Strand	+
Start	1	End	777
Name	OJ000114_20.0315.C14.o1.np	Method	AAT/NAP
Start	1	End	777
GI	5777617	Score	96
Exons	1..67, 668..777		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	47379	Seq. ID	OJ000114_20.0315.C14
Gene No.	100801	Strand	+
Start	2806	End	5470
Name	OJ000114_20.0315.C14.o2.tm	Method	TBLASTX:Maize
Start	1562	End	3039
GI	none	Score	58
Exons	1562..1657, 2875..3039, 2890..2961, 2892..3014		

Seq. No.	47379	Seq. ID	OJ000114_20.0315.C14
Gene No.	100801	Strand	+
Start	2806	End	5470
Name	OJ000114_20.0315.C14.o1.gp	Method	AAT/GAP
Start	2751	End	3200
GI	uC-osflM202083f08b1	Score	873
Exons	2751..3200		
GI Descrip.	'2213591 7.0e-15 (AC000348) T7N9.11 [Arabidopsis thaliana]'		

Seq. No.	47379	Seq. ID	OJ000114_20.0315.C14
Gene No.	100801	Strand	+
Start	2806	End	5470
Name	OJ000114_20.0315.C14.o2.gs	Method	GENSCAN
Start	2806	End	4960
GI	none	Score	.99
Exons	2806..3493, 3749..3921, 4937..4960		

Seq. No.	47379	Seq. ID	OJ000114_20.0315.C14
Gene No.	100801	Strand	+
Start	2806	End	5470
Name	OJ000114_20.0315.C14.o2.np	Method	AAT/NAP

Start	2848	End	5470
GI	2213591	Score	548
Exons	2848..3505, 3725..3820, 5437..5470		
GI Descrip.	(AC000348) T7N9.11 [Arabidopsis thaliana]		

Seq. No.	47379	Seq. ID	OJ000114_20.0315.C14
Gene No.	100801	Strand	+
Start	2806	End	5470
Name	OJ000114_20.0315.C14.o1.tc	Method	TBLASTX:Cress
Start	2875	End	3317
GI	none	Score	195
Exons	2875..3039, 2907..3014, 3175..3312, 3183..3317		

Seq. No.	47379	Seq. ID	OJ000114_20.0315.C14
Gene No.	100801	Strand	+
Start	2806	End	5470
Name	OJ000114_20.0315.C14.o1.ts	Method	TBLASTX:Soybean
Start	2878	End	3225
GI	none	Score	190
Exons	2878..3039, 3172..3225		

Seq. No.	47379	Seq. ID	OJ000114_20.0315.C14
Gene No.	100801	Strand	+
Start	2806	End	5470
Name	OJ000114_20.0315.C14.o1.tm	Method	TBLASTX:Maize
Start	3175	End	3926
GI	none	Score	317
Exons	3175..3492, 3175..3489, 3183..3491, 3619..3639, 3742..3816, 3744..3815, 3750..3926, 3852..3899		

Seq. No.	47379	Seq. ID	OJ000114_20.0315.C14
Gene No.	100801	Strand	+
Start	2806	End	5470
Name	OJ000114_20.0315.C14.o2.gp	Method	AAT/GAP
Start	3327	End	3842
GI	LIB3432-006-P1-K1-A7	Score	433
Exons	3327..3493, 3749..3842		
GI Descrip.	'2213591 1.0e-08 (AC000348) T7N9.11 [Arabidopsis thaliana]'		

Seq. No.	47380	Seq. ID	OJ000114_20.0315.C15
Gene No.	100802	Strand	+
Start	992	End	1066
Name	OJ000114_20.0315.C15.o1.gs	Method	GENSCAN
Start	992	End	1066
GI	none	Score	.69
Exons	992..1066		

Seq. No.	47381	Seq. ID	OJ000114_20.0315.C20
Gene No.	100803	Strand	+
Start	2163	End	4145
Name	OJ000114_20.0315.C20.o2.np	Method	AAT/NAP
Start	2163	End	4145
GI	7340909	Score	120
Exons	2163..2185, 3553..3674, 3721..3859, 3909..4145		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47381	Seq. ID	OJ000114_20.0315.C20

Gene No.	100804	Strand	-
Start	1	End	4287
Name	OJ000114_20.0315.C20.o1.np	Method	AAT/NAP
Start	1	End	1372
GI	6094553	Score	210
Exons	1..27, 108..171, 1045..1128, 1291..1372		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	47381	Seq. ID	OJ000114_20.0315.C20
Gene No.	100804	Strand	-
Start	1	End	4287
Name	OJ000114_20.0315.C20.o1.gs	Method	GENSCAN
Start	494	End	4287
GI	none	Score	.72
Exons	494..615, 1045..1069, 1272..1337, 2339..2398, 2806..3178, 3742..3890, 4017..4287		

Seq. No.	47382	Seq. ID	OJ000114_20.0315.C21
Gene No.	100805	Strand	+
Start	262	End	5460
Name	OJ000114_20.0315.C21.o1.gs	Method	GENSCAN
Start	262	End	5460
GI	none	Score	.6
Exons	262..286, 438..512, 3914..4109, 5189..5241, 5260..5460		

Seq. No.	47382	Seq. ID	OJ000114_20.0315.C21
Gene No.	100806	Strand	-
Start	1	End	2059
Name	OJ000114_20.0315.C21.o1.np	Method	AAT/NAP
Start	1	End	2059
GI	7340909	Score	78
Exons	1..42, 1335..1456, 2017..2059		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47382	Seq. ID	OJ000114_20.0315.C21
Gene No.	100806	Strand	-
Start	1	End	2059
Name	OJ000114_20.0315.C21.o1.gp	Method	AAT/GAP
Start	1260	End	1343
GI	LIB3477-003-P1-K1-E9	Score	114
Exons	1260..1343		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47382	Seq. ID	OJ000114_20.0315.C21
Gene No.	100807	Strand	-
Start	5054	End	7490
Name	OJ000114_20.0315.C21.o2.np	Method	AAT/NAP
Start	5054	End	7490
GI	6069646	Score	362
Exons	5054..5461, 7445..7490		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	47382	Seq. ID	OJ000114_20.0315.C21
Gene No.	100807	Strand	-
Start	5054	End	7490
Name	OJ000114_20.0315.C21.o2.gs	Method	GENSCAN
Start	7227	End	7431
GI	none	Score	.67
Exons	7227..7431		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100808	Strand	+
Start	266	End	550
Name	OJ000114_20.0315.C23.o1.gs	Method	GENSCAN
Start	266	End	550
GI	none	Score	1
Exons	266..550		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100809	Strand	+
Start	3654	End	3938
Name	OJ000114_20.0315.C23.o1.gp	Method	AAT/GAP
Start	3654	End	3938
GI	uC-osroM202017c04a1	Score	570
Exons	3654..3938		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100810	Strand	-
Start	1976	End	2666
Name	OJ000114_20.0315.C23.o2.gs	Method	GENSCAN
Start	1976	End	2666
GI	none	Score	1
Exons	1976..2423, 2455..2666		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100811	Strand	-
Start	3952	End	9039
Name	OJ000114_20.0315.C23.o2.tw	Method	TBLASTX:Wheat
Start	2107	End	8416
GI	none	Score	58
Exons	2107..2208, 2319..2387, 8139..8201, 8141..8395, 8273..8416		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100811	Strand	-
Start	3952	End	9039
Name	OJ000114_20.0315.C23.o1.np	Method	AAT/NAP
Start	3932	End	8749
GI	6730697	Score	1778
Exons	3932..4098, 4375..4605, 4675..4842, 4930..5342, 8083..8749		
GI Descrip.	(AC011809) calcium-dependent protein kinase 1 [Arabidopsis thaliana]		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100811	Strand	-
Start	3952	End	9039
Name	OJ000114_20.0315.C23.o3.gs	Method	GENSCAN

Start	3952	End	5304
GI	none	Score	.91
Exons	3952..4098, 4375..5304		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100811	Strand	-
Start	3952	End	9039
Name	OJ000114_20.0315.C23.o1.ts	Method	TBLASTX:Soybean
Start	3961	End	8137
GI	none	Score	132
Exons	3961..4101, 3971..4099, 4375..4413, 4471..4635, 4496..4603, 4714..4857, 4715..4843, 4916..5344, 4927..5337, 8078..8137		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100811	Strand	-
Start	3952	End	9039
Name	OJ000114_20.0315.C23.o3.tm	Method	TBLASTX:Maize
Start	3961	End	4101
GI	none	Score	144
Exons	3961..4101, 3971..4099		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100811	Strand	-
Start	3952	End	9039
Name	OJ000114_20.0315.C23.o1.tc	Method	TBLASTX:Cress
Start	3967	End	8596
GI	none	Score	154
Exons	3967..4101, 3971..4099, 4375..4638, 4496..4639, 4711..4857, 4715..4843, 4744..4845, 4765..4848, 4880..4933, 4927..5337, 4928..5251, 5050..5328, 5300..5344, 8081..8596, 8097..8282, 8273..8449		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100811	Strand	-
Start	3952	End	9039
Name	OJ000114_20.0315.C23.o1.tm	Method	TBLASTX:Maize
Start	4375	End	5313
GI	none	Score	48
Exons	4375..4605, 4562..4621, 4717..4845, 4718..4843, 4927..5313, 4928..5257, 5050..5313		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100811	Strand	-
Start	3952	End	9039
Name	OJ000114_20.0315.C23.o1.tw	Method	TBLASTX:Wheat
Start	5014	End	8137
GI	none	Score	196
Exons	5014..5325, 5024..5260, 5131..5325, 8072..8125, 8072..8137		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100811	Strand	-
Start	3952	End	9039
Name	OJ000114_20.0315.C23.o4.gs	Method	GENSCAN
Start	6455	End	8848
GI	none	Score	.83
Exons	6455..6627, 6847..6883, 6977..7020, 8083..8848		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100811	Strand	-
Start	3952	End	9039
Name	OJ000114_20.0315.C23.o2.tm	Method	TBLASTX:Maize
Start	8075	End	8551
GI	none	Score	77
Exons	8075..8395, 8078..8173, 8100..8201, 8273..8506, 8447..8551		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100811	Strand	-
Start	3952	End	9039
Name	OJ000114_20.0315.C23.o2.ts	Method	TBLASTX:Soybean
Start	8141	End	8551
GI	none	Score	82
Exons	8141..8551, 8154..8204, 8273..8503		

Seq. No.	47383	Seq. ID	OJ000114_20.0315.C23
Gene No.	100811	Strand	-
Start	3952	End	9039
Name	OJ000114_20.0315.C23.o2.gp	Method	AAT/GAP
Start	8526	End	9039
GI	none	Score	937
Exons	8526..9039		

Seq. No.	47384	Seq. ID	OJ000114_20.0315.C24
Gene No.	100812	Strand	-
Start	477	End	891
Name	OJ000114_20.0315.C24.o1.gs	Method	GENSCAN
Start	477	End	891
GI	none	Score	.53
Exons	477..662, 847..891		

Seq. No.	47385	Seq. ID	OJ000114_20.0315.C33
Gene No.	100813	Strand	-
Start	1678	End	1762
Name	OJ000114_20.0315.C33.o1.gs	Method	GENSCAN
Start	1678	End	1762
GI	none	Score	.47
Exons	1678..1762		

Seq. No.	47386	Seq. ID	OJ000114_20.0315.C34
Gene No.	100814	Strand	+
Start	433	End	3648
Name	OJ000114_20.0315.C34.o1.gs	Method	GENSCAN
Start	433	End	3648
GI	none	Score	.59
Exons	433..607, 1820..1838, 2695..2826, 3506..3648		

Seq. No.	47386	Seq. ID	OJ000114_20.0315.C34
Gene No.	100815	Strand	-
Start	1284	End	2589
Name	OJ000114_20.0315.C34.o1.np	Method	AAT/NAP
Start	1284	End	2589
GI	6815099	Score	83
Exons	1284..1410, 2519..2589		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47387	Seq. ID	OJ000114_20.0315.C40
Gene No.	100816	Strand	+
Start	224	End	1077
Name	OJ000114_20.0315.C40.o1.np	Method	AAT/NAP
Start	224	End	1077
GI	6094553	Score	92
Exons	224..321, 1056..1077		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	47388	Seq. ID	OJ000114_20.0315.C41
Gene No.	100817	Strand	+
Start	616	End	2113
Name	OJ000114_20.0315.C41.o1.np	Method	AAT/NAP
Start	616	End	2113
GI	6094553	Score	126
Exons	616..697, 1508..1602, 2061..2113		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	47389	Seq. ID	OJ000114_20.0315.C43
Gene No.	100818	Strand	+
Start	1	End	1274
Name	OJ000114_20.0315.C43.o1.np	Method	AAT/NAP
Start	1	End	1274
GI	6094553	Score	152
Exons	1..82, 1157..1274		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	47390	Seq. ID	OJ000114_20.0315.C44
Gene No.	100819	Strand	-
Start	1207	End	1346
Name	OJ000114_20.0315.C44.o1.gs	Method	GENSCAN
Start	1207	End	1346
GI	none	Score	.85
Exons	1207..1346		

Seq. No.	47391	Seq. ID	OJ000114_20.0315.C46
Gene No.	100820	Strand	-
Start	258	End	1226
Name	OJ000114_20.0315.C46.o1.gs	Method	GENSCAN
Start	258	End	1226
GI	none	Score	.78
Exons	258..303, 327..399, 624..802, 1175..1226		

Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100821	Strand	+
Start	1	End	3763
Name	OJ000114_20.0315.C47.o1.gp	Method	AAT/GAP
Start	1	End	3763
GI	553_1.R1084	Score	3225
Exons	1..112, 271..415, 1165..1329, 1417..1655, 1743..1775, 2063..2144, 2254..2414, 2528..2713, 2800..2982, 3079..3257, 3515..3763		
GI Descrip.	'218179/dbj|BAA01058| 0.0e+00 (D10207) H-ATPase [Oryza sativa] >gi_444339_prf__1906387A H ATPase [Oryza sativa]'		

Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100821	Strand	+

Start	1	End	3763
Name	OJ000114_20.0315.C47.o1.np	Method	AAT/NAP
Start	1	End	3608
GI	218179	Score	2336
Exons	1..112, 271..415, 1165..1329, 1417..1655, 1743..1775, 2063..2144, 2254..2414, 2528..2713, 2800..2982, 3079..3257, 3515..3608		
GI Descrip.	(D10207) H-ATPase [Oryza sativa] gi|444339|prf||1906387A H ATPase [Oryza sativa]		

Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100821	Strand	+
Start	1	End	3763
Name	OJ000114_20.0315.C47.o1.gs	Method	GENSCAN
Start	2	End	3611
GI	none	Score	.93
Exons	2..112, 271..415, 1165..1329, 1417..1655, 2063..2144, 2254..2414, 2528..2713, 2800..2982, 3079..3257, 3515..3611		

Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100822	Strand	+
Start	4242	End	4683
Name	OJ000114_20.0315.C47.o2.gp	Method	AAT/GAP
Start	4242	End	4683
GI	none	Score	844
Exons	4242..4683		

Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364
Name	OJ000114_20.0315.C47.o3.tc	Method	TBLASTX:Cress
Start	4	End	3613
GI	none	Score	103
Exons	4..114, 5..115, 270..413, 270..416, 274..426, 284..421, 3142..3168, 3145..3174, 3172..3258, 3174..3251, 3513..3611, 3513..3608, 3521..3613, 3536..3610		

Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364
Name	OJ000114_20.0315.C47.o1.tm	Method	TBLASTX:Maize
Start	5	End	3636
GI	none	Score	160
Exons	5..112, 5..112, 268..414, 269..415, 270..416, 271..426, 1149..1328, 1163..1327, 1407..1679, 1410..1652, 1415..1654, 1746..1784, 2038..2148, 2062..2148, 2252..2413, 2253..2414, 2304..2441, 2521..2712, 2521..2712, 2522..2725, 2720..2965, 2796..2981, 2799..2993, 2800..2985, 3073..3222, 3077..3256, 3078..3272, 3079..3258, 3512..3610, 3513..3611, 3513..3608, 3520..3636		

Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364
Name	OJ000114_20.0315.C47.o2.ts	Method	TBLASTX:Soybean
Start	5	End	1328
GI	none	Score	111

Exons	5..112, 261..413, 268..411, 270..416, 271..426, 1149..1328, 1163..1327		
Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364
Name	OJ000114_20.0315.C47.o1.tw	Method	TBLASTX:Wheat
Start	50	End	2725
GI	none	Score	80
Exons	50..112, 58..105, 261..416, 270..416, 271..426, 1149..1328, 1163..1327, 1407..1679, 1409..1654, 1743..1787, 1748..1783, 2062..2148, 2087..2146, 2252..2410, 2253..2411, 2304..2411, 2305..2412, 2555..2725, 2587..2715		
Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364
Name	OJ000114_20.0315.C47.o1.tc	Method	TBLASTX:Cress
Start	1149	End	2381
GI	none	Score	235
Exons	1149..1328, 1159..1329, 1172..1327, 1180..1329, 1407..1679, 1409..1654, 1410..1658, 1559..1681, 1742..1774, 2062..2148, 2087..2146, 2252..2374, 2253..2381, 2304..2381		
Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364
Name	OJ000114_20.0315.C47.o1.ts	Method	TBLASTX:Soybean
Start	1407	End	3611
GI	none	Score	296
Exons	1407..1679, 1415..1654, 1758..1802, 2062..2148, 2087..2146, 2252..2413, 2253..2414, 2304..2414, 2335..2418, 2522..2725, 2534..2635, 2539..2706, 2793..2981, 2799..2993, 2800..2985, 3073..3222, 3077..3157, 3078..3254, 3078..3173, 3079..3258, 3080..3259, 3513..3611		
Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364
Name	OJ000114_20.0315.C47.o2.tc	Method	TBLASTX:Cress
Start	2594	End	3141
GI	none	Score	135
Exons	2594..2725, 2596..2724, 2787..2972, 2788..2985, 2805..2993, 3073..3141, 3079..3141		
Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364
Name	OJ000114_20.0315.C47.o2.tw	Method	TBLASTX:Wheat
Start	2800	End	3183
GI	none	Score	249
Exons	2800..2982, 2805..2963, 3063..3173, 3078..3173, 3082..3174, 3097..3183		
Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364

Name	OJ000114_20.0315.C47.o2.gs	Method	GENSCAN
Start	4427	End	7364
GI	none	Score	.77
Exons	4427..4475, 4533..6502, 6840..7364		

Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364
Name	OJ000114_20.0315.C47.o2.tm	Method	TBLASTX:Maize
Start	5375	End	5824
GI	none	Score	42
Exons	5375..5824, 5397..5558, 5592..5813		

Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364
Name	OJ000114_20.0315.C47.o3.np	Method	AAT/NAP
Start	5462	End	7271
GI	7489509	Score	605
Exons	5462..6487, 6831..7271		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792238|gb|AAB96994.1| (AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364
Name	OJ000114_20.0315.C47.o3.ts	Method	TBLASTX:Soybean
Start	5513	End	6463
GI	none	Score	67
Exons	5513..5635, 5651..5761, 5657..5824, 6002..6052, 6077..6325, 6090..6338, 6338..6463, 6372..6449		

Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364
Name	OJ000114_20.0315.C47.o3.tm	Method	TBLASTX:Maize
Start	6116	End	7262
GI	none	Score	115
Exons	6116..6475, 6156..6452, 6798..6896, 6891..7046, 7146..7262		

Seq. No.	47392	Seq. ID	OJ000114_20.0315.C47
Gene No.	100823	Strand	-
Start	4427	End	7364
Name	OJ000114_20.0315.C47.o3.tw	Method	TBLASTX:Wheat
Start	6179	End	6466
GI	none	Score	94
Exons	6179..6310, 6329..6466		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100824	Strand	+
Start	630	End	9603
Name	OJ000114_20.0315.C48.o1.np	Method	AAT/NAP
Start	630	End	9603
GI	7228457	Score	2972
Exons	630..682, 3640..3717, 4849..6281, 6336..7998, 8065..9603		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100824	Strand	+
Start	630	End	9603
Name	OJ000114_20.0315.C48.o2.gs	Method	GENSCAN
Start	3322	End	5433
GI	none	Score	.96
Exons	3322..5433		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100824	Strand	+
Start	630	End	9603
Name	OJ000114_20.0315.C48.o3.gs	Method	GENSCAN
Start	5538	End	6404
GI	none	Score	.97
Exons	5538..6404		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100824	Strand	+
Start	630	End	9603
Name	OJ000114_20.0315.C48.o4.gs	Method	GENSCAN
Start	6657	End	9519
GI	none	Score	.63
Exons	6657..7051, 7093..7258, 7417..8590, 8771..9519		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100825	Strand	+
Start	13569	End	14056
Name	OJ000114_20.0315.C48.o4.np	Method	AAT/NAP
Start	13569	End	14056
GI	7523517	Score	244
Exons	13569..13856, 14002..14056		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100826	Strand	+
Start	15433	End	20752
Name	OJ000114_20.0315.C48.o6.gs	Method	GENSCAN
Start	15433	End	16680
GI	none	Score	.94
Exons	15433..16067, 16073..16523, 16585..16680		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100826	Strand	+
Start	15433	End	20752
Name	OJ000114_20.0315.C48.o5.np	Method	AAT/NAP
Start	16104	End	20618
GI	7489509	Score	635
Exons	16104..16523, 19592..20618		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792238|gb|AAB96994.1| (AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100826	Strand	+

Start	15433	End	20752
Name	OJ000114_20.0315.C48.o6.np	Method	AAT/NAP
Start	16464	End	20564
GI	2213598	Score	111
Exons	16464..16504, 20114..20564		
GI Descrip.	(AC000348) T7N9.18 [Arabidopsis thaliana]		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100826	Strand	+
Start	15433	End	20752
Name	OJ000114_20.0315.C48.o7.gs	Method	GENSCAN
Start	19762	End	20752
GI	none	Score	.56
Exons	19762..20131, 20534..20752		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100827	Strand	-
Start	1	End	58
Name	OJ000114_20.0315.C48.o1.gp	Method	AAT/GAP
Start	1	End	58
GI	none	Score	116
Exons	1..58		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100828	Strand	-
Start	34	End	439
Name	OJ000114_20.0315.C48.o1.gs	Method	GENSCAN
Start	34	End	439
GI	none	Score	.81
Exons	34..187, 252..439		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873
Name	OJ000114_20.0315.C48.o7.tw	Method	TBLASTX:Wheat
Start	4909	End	5307
GI	none	Score	239
Exons	4909..5307, 4923..4961, 5034..5219		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873
Name	OJ000114_20.0315.C48.o4.tw	Method	TBLASTX:Wheat
Start	5766	End	6221
GI	none	Score	146
Exons	5766..5948, 5774..5947, 5985..6221, 5987..6103, 5997..6206		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873
Name	OJ000114_20.0315.C48.o1.tw	Method	TBLASTX:Wheat
Start	6413	End	12816
GI	none	Score	536
Exons	6413..6868, 6414..6869, 12721..12816		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-

Start	9747	End	13873
Name	OJ000114_20.0315.C48.o1.tm	Method	TBLASTX:Maize
Start	6543	End	6899
GI	none	Score	388
Exons	6543..6899, 6584..6898		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873
Name	OJ000114_20.0315.C48.o3.tm	Method	TBLASTX:Maize
Start	6927	End	7310
GI	none	Score	296
Exons	6927..7310, 7031..7306		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873
Name	OJ000114_20.0315.C48.o2.tw	Method	TBLASTX:Wheat
Start	6987	End	7408
GI	none	Score	421
Exons	6987..7406, 7031..7408		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873
Name	OJ000114_20.0315.C48.o1.ts	Method	TBLASTX:Soybean
Start	7070	End	7463
GI	none	Score	281
Exons	7070..7222, 7071..7463		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873
Name	OJ000114_20.0315.C48.o6.tw	Method	TBLASTX:Wheat
Start	7545	End	7977
GI	none	Score	210
Exons	7545..7796, 7570..7794, 7804..7977		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873
Name	OJ000114_20.0315.C48.o9.tw	Method	TBLASTX:Wheat
Start	8016	End	8336
GI	none	Score	181
Exons	8016..8336, 8017..8274		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873
Name	OJ000114_20.0315.C48.o2.tm	Method	TBLASTX:Maize
Start	8479	End	8784
GI	none	Score	308
Exons	8479..8784, 8496..8783		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873

Name	OJ000114_20.0315.C48.o5.tw	Method	TBLASTX:Wheat
Start	8479	End	8862
GI	none	Score	315
Exons	8479..8862, 8487..8675, 8712..8861		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873
Name	OJ000114_20.0315.C48.o3.tw	Method	TBLASTX:Wheat
Start	8986	End	9594
GI	none	Score	356
Exons	8986..9438, 9000..9089, 9135..9242, 9463..9594, 9468..9593		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873
Name	OJ000114_20.0315.C48.o5.gs	Method	GENSCAN
Start	9747	End	13873
GI	none	Score	.57
Exons	9747..9829, 10058..10224, 10360..10615, 10714..10859, 10983..11744, 11814..11872, 11943..12128, 12196..12320, 12487..13172, 13544..13636, 13788..13873		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873
Name	OJ000114_20.0315.C48.o2.np	Method	AAT/NAP
Start	10982	End	13180
GI	6721561	Score	1080
Exons	10982..11744, 11814..11872, 11943..12128, 13112..13180		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100829	Strand	-
Start	9747	End	13873
Name	OJ000114_20.0315.C48.o3.np	Method	AAT/NAP
Start	11101	End	13120
GI	6721558	Score	255
Exons	11101..11209, 11533..11630, 12196..12320, 13021..13120		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100830	Strand	
Start	16113	End	20574
Name	OJ000114_20.0315.C48.o4.tm	Method	TBLASTX:Maize
Start	16113	End	20007
GI	none	Score	69
Exons	16113..16253, 16317..16472, 16467..16526, 19624..19917, 19629..19952, 19945..20007		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48

Gene No.	100830	Strand	
Start	16113	End	20574
Name	OJ000114_20.0315.C48.o8.tw	Method	TBLASTX:Wheat
Start	19624	End	19908
GI	none	Score	95
Exons	19624..19776, 19777..19908		

Seq. No.	47393	Seq. ID	OJ000114_20.0315.C48
Gene No.	100830	Strand	
Start	16113	End	20574
Name	OJ000114_20.0315.C48.o2.ts	Method	TBLASTX:Soybean
Start	19642	End	20574
GI	none	Score	71
Exons	19642..19710, 19693..20016, 20260..20574		

Seq. No.	47394	Seq. ID	OJ000114_20.0315.C49
Gene No.	100831	Strand	+
Start	59	End	429
Name	OJ000114_20.0315.C49.o1.gs	Method	GENSCAN
Start	59	End	429
GI	none	Score	.48
Exons	59..429		

Seq. No.	47394	Seq. ID	OJ000114_20.0315.C49
Gene No.	100832	Strand	+
Start	2226	End	2898
Name	OJ000114_20.0315.C49.o2.gs	Method	GENSCAN
Start	2226	End	2898
GI	none	Score	.66
Exons	2226..2302, 2694..2898		

Seq. No.	47394	Seq. ID	OJ000114_20.0315.C49
Gene No.	100833	Strand	+
Start	3255	End	3431
Name	OJ000114_20.0315.C49.o1.gp	Method	AAT/GAP
Start	3255	End	3431
GI	LIB3431-047-P1-K1-B4	Score	271
Exons	3255..3431		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-14 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	47394	Seq. ID	OJ000114_20.0315.C49
Gene No.	100834	Strand	-
Start	3650	End	7339
Name	OJ000114_20.0315.C49.o3.gs	Method	GENSCAN
Start	3650	End	7307
GI	none	Score	.73
Exons	3650..3739, 4374..4466, 4699..4788, 5593..5646, 5767..5896, 5901..6088, 6232..6375, 6732..6833, 6941..7039, 7155..7307		

Seq. No.	47394	Seq. ID	OJ000114_20.0315.C49
Gene No.	100834	Strand	-
Start	3650	End	7339
Name	OJ000114_20.0315.C49.o1.np	Method	AAT/NAP
Start	3656	End	7316
GI	2213597	Score	924
Exons	3656..3739, 4374..4438, 4528..4612, 4699..4788, 5137..5188,		

	5278..5384, 5593..5697, 5767..5896, 5994..6088, 6232..6375, 6732..6833, 6941..7039, 7155..7316		
GI Descrip.	(AC000348) T7N9.17 [Arabidopsis thaliana]		
Seq. No.	47394	Seq. ID	OJ000114_20.0315.C49
Gene No.	100834	Strand	-
Start	3650	End	7339
Name	OJ000114_20.0315.C49.o1.tc	Method	TBLASTX:Cress
Start	4362	End	4783
GI	none	Score	76
Exons	4362..4442, 4532..4612, 4542..4613, 4565..4618, 4696..4782, 4712..4783		
Seq. No.	47394	Seq. ID	OJ000114_20.0315.C49
Gene No.	100834	Strand	-
Start	3650	End	7339
Name	OJ000114_20.0315.C49.o1.tm	Method	TBLASTX:Maize
Start	4577	End	7000
GI	none	Score	61
Exons	4577..4612, 4578..4613, 4578..4613, 4701..4781, 4701..4784, 4703..4789, 4708..4791, 4709..4789, 5133..5177, 5141..5182, 5270..5380, 5277..5387, 5277..5387, 5593..5700, 5593..5700, 5758..5895, 5764..5895, 5950..6087, 5987..6088, 5992..6096, 5997..6128, 6217..6381, 6217..6384, 6729..6839, 6730..6822, 6732..6836, 6926..6991, 6938..7000		
Seq. No.	47394	Seq. ID	OJ000114_20.0315.C49
Gene No.	100834	Strand	-
Start	3650	End	7339
Name	OJ000114_20.0315.C49.o2.gp	Method	AAT/GAP
Start	5148	End	6393
GI	20973_1.R1084	Score	1072
Exons	5148..5188, 5278..5384, 5593..5697, 5767..5896, 5994..6088, 6232..6393		
GI Descrip.	'2213597 2.0e-16 (AC000348) T7N9.17 [Arabidopsis thaliana]'		
Seq. No.	47394	Seq. ID	OJ000114_20.0315.C49
Gene No.	100834	Strand	-
Start	3650	End	7339
Name	OJ000114_20.0315.C49.o1.ts	Method	TBLASTX:Soybean
Start	5782	End	6873
GI	none	Score	58
Exons	5782..5910, 5809..5889, 5816..5911, 5987..6085, 5987..6106, 5988..6122, 6208..6408, 6226..6387, 6729..6836, 6732..6836, 6760..6873		
Seq. No.	47394	Seq. ID	OJ000114_20.0315.C49
Gene No.	100834	Strand	-
Start	3650	End	7339
Name	OJ000114_20.0315.C49.o3.gp	Method	AAT/GAP
Start	6727	End	7339
GI	702460	Score	504
Exons	6727..6833, 6941..7039, 7155..7177, 7268..7339		
GI Descrip.	2213597 2.0e-16 (AC000348) T7N9.17 [Arabidopsis thaliana]		
Seq. No.	47395	Seq. ID	OJ000114_20.0315.C50
Gene No.	100835	Strand	+

Start	862	End	4294
Name	OJ000114_20.0315.C50.o1.np	Method	AAT/NAP
Start	862	End	3332
GI	5777634	Score	70
Exons	862..1004, 1546..1641, 3271..3332		
GI Descrip.	(AJ245900) CAA303722.1 protein [Oryza sativa]		

Seq. No.	47395	Seq. ID	OJ000114_20.0315.C50
Gene No.	100835	Strand	+
Start	862	End	4294
Name	OJ000114_20.0315.C50.o1.gp	Method	AAT/GAP
Start	1813	End	4294
GI	58038_1.R1084	Score	1300
Exons	1813..2152, 3969..4294		
GI Descrip.	'3549666/emb|CAA20577.1| 4.0e-31 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	47395	Seq. ID	OJ000114_20.0315.C50
Gene No.	100835	Strand	+
Start	862	End	4294
Name	OJ000114_20.0315.C50.o2.np	Method	AAT/NAP
Start	1904	End	4130
GI	6841210	Score	238
Exons	1904..2152, 3969..4130		
GI Descrip.	(AF161398) HSPC280 [Homo sapiens]		

Seq. No.	47395	Seq. ID	OJ000114_20.0315.C50
Gene No.	100835	Strand	+
Start	862	End	4294
Name	OJ000114_20.0315.C50.o1.tc	Method	TBLASTX:Cress
Start	2048	End	4147
GI	none	Score	109
Exons	2048..2194, 3966..4121, 3968..4147		

Seq. No.	47395	Seq. ID	OJ000114_20.0315.C50
Gene No.	100835	Strand	+
Start	862	End	4294
Name	OJ000114_20.0315.C50.o1.tm	Method	TBLASTX:Maize
Start	2065	End	4279
GI	none	Score	141
Exons	2065..2193, 2066..2194, 3966..4124, 3968..4219, 3986..4171, 4214..4279, 4214..4270		

Seq. No.	47395	Seq. ID	OJ000114_20.0315.C50
Gene No.	100835	Strand	+
Start	862	End	4294
Name	OJ000114_20.0315.C50.o1.ts	Method	TBLASTX:Soybean
Start	2072	End	4147
GI	none	Score	100
Exons	2072..2155, 3954..4109, 3966..4121, 3968..4147		

Seq. No.	47396	Seq. ID	OJ000114_20.0315.C51
Gene No.	100836	Strand	-
Start	1015	End	1686
Name	OJ000114_20.0315.C51.o1.gs	Method	GENSCAN
Start	1015	End	1686
GI	none	Score	.4

Exons	1015..1233, 1621..1686		
Seq. No.	47397	Seq. ID	OJ000204_25.0306.C4
Gene No.	100837	Strand	+
Start	1	End	492
Name	OJ000204_25.0306.C4.o1.np	Method	AAT/NAP
Start	1	End	492
GI	114534	Score	72
Exons	1..32, 274..492		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN gi|67828|pir||PWWTA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - wheat chloroplast gi|552976 (M16842) ATP synthase alpha subunit [Triticum aestivum]		
Seq. No.	47397	Seq. ID	OJ000204_25.0306.C4
Gene No.	100838	Strand	+
Start	19063	End	22223
Name	OJ000204_25.0306.C4.o3.gs	Method	GENSCAN
Start	19063	End	22223
GI	none	Score	.68
Exons	19063..19112, 19212..19379, 19649..19770, 19966..20187, 20381..20842, 21266..21402, 22149..22223		
Seq. No.	47397	Seq. ID	OJ000204_25.0306.C4
Gene No.	100838	Strand	+
Start	19063	End	22223
Name	OJ000204_25.0306.C4.o3.np	Method	AAT/NAP
Start	20533	End	20844
GI	6815052	Score	283
Exons	20533..20685, 20767..20844		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	47397	Seq. ID	OJ000204_25.0306.C4
Gene No.	100839	Strand	-
Start	8394	End	15664
Name	OJ000204_25.0306.C4.o1.gp	Method	AAT/GAP
Start	8394	End	8878
GI	68377_1_R1084	Score	881
Exons	8394..8878		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		
Seq. No.	47397	Seq. ID	OJ000204_25.0306.C4
Gene No.	100839	Strand	-
Start	8394	End	15664
Name	OJ000204_25.0306.C4.o2.np	Method	AAT/NAP
Start	8673	End	14308
GI	7485065	Score	950
Exons	8673..8878, 9004..9064, 9171..9217, 9306..9455, 9504..10114, 12661..12691, 13177..13290, 14012..14308		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244831|emb|CAB10253.1| (Z97337) hypothetical protein [Arabidopsis thaliana] gi|7268180|emb|CAB78516.1| (AL161539) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	47397	Seq. ID	OJ000204_25.0306.C4
Gene No.	100839	Strand	-
Start	8394	End	15664

Name	OJ000204_25.0306.C4.o2.gs	Method	GENSCAN
Start	9000	End	15664
GI	none	Score	.73
Exons	9000..9061, 9168..9611, 9692..10094, 13177..13332, 14012..14419, 14583..14696, 15650..15664		

Seq. No.	47397	Seq. ID	OJ000204_25.0306.C4
Gene No.	100839	Strand	-
Start	8394	End	15664
Name	OJ000204_25.0306.C4.o1.tm	Method	TBLASTX:Maize
Start	9003	End	9378
GI	none	Score	81
Exons	9003..9062, 9003..9065, 9157..9219, 9165..9218, 9301..9378, 9306..9362		

Seq. No.	47397	Seq. ID	OJ000204_25.0306.C4
Gene No.	100839	Strand	-
Start	8394	End	15664
Name	OJ000204_25.0306.C4.o1.ts	Method	TBLASTX:Soybean
Start	9006	End	9613
GI	none	Score	65
Exons	9006..9062, 9026..9064, 9165..9218, 9301..9441, 9530..9613, 9535..9612		

Seq. No.	47397	Seq. ID	OJ000204_25.0306.C4
Gene No.	100839	Strand	-
Start	8394	End	15664
Name	OJ000204_25.0306.C4.o1.tc	Method	TBLASTX:Cress
Start	9535	End	9813
GI	none	Score	39
Exons	9535..9612, 9536..9613, 9669..9806, 9694..9813		

Seq. No.	47398	Seq. ID	OJ000204_25.0306.C5
Gene No.	100840	Strand	+
Start	830	End	3855
Name	OJ000204_25.0306.C5.o1.gs	Method	GENSCAN
Start	830	End	3746
GI	none	Score	.67
Exons	830..887, 2301..2614, 2696..2947, 2958..3746		

Seq. No.	47398	Seq. ID	OJ000204_25.0306.C5
Gene No.	100840	Strand	+
Start	830	End	3855
Name	OJ000204_25.0306.C5.o2.np	Method	AAT/NAP
Start	2303	End	3855
GI	7485089	Score	175
Exons	2303..2652, 3047..3086, 3168..3422, 3556..3855		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244832|emb|CAB10254.1| (Z97337) hypothetical protein [Arabidopsis thaliana] gi|7268181|emb|CAB78517.1| (AL161539) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47398	Seq. ID	OJ000204_25.0306.C5
Gene No.	100840	Strand	+
Start	830	End	3855
Name	OJ000204_25.0306.C5.o1.np	Method	AAT/NAP
Start	2312	End	3688

GI	7485745	Score	153
Exons	2312..2476, 2552..2614, 2696..2923, 3047..3422, 3553..3688		
GI Descrip.	hypothetical protein F19B15.180 - Arabidopsis thaliana gi|4972061|emb|CAB43929.1| (AL078470) hypothetical protein [Arabidopsis thaliana] gi|7269813|emb|CAB79673.1| (AL161574) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47398	Seq. ID	OJ000204_25.0306.C5
Gene No.	100841	Strand	+
Start	5418	End	9958
Name	OJ000204_25.0306.C5.o2.gs	Method	GENSCAN
Start	5418	End	9541
GI	none	Score	.65
Exons	5418..5429, 5548..5991, 6050..6174, 7151..7253, 7770..7840, 7974..8037, 8878..8928, 9446..9541		

Seq. No.	47398	Seq. ID	OJ000204_25.0306.C5
Gene No.	100841	Strand	+
Start	5418	End	9958
Name	OJ000204_25.0306.C5.o3.np	Method	AAT/NAP
Start	5764	End	9958
GI	1839188	Score	1058
Exons	5764..5908, 6846..6912, 7151..7253, 7770..7840, 7974..8037, 8122..8187, 8316..8363, 8447..8509, 8595..8651, 8770..8928, 9302..9370, 9446..9537, 9913..9958		
GI Descrip.	(U86081) root hair defective 3 [Arabidopsis thaliana]		

Seq. No.	47398	Seq. ID	OJ000204_25.0306.C5
Gene No.	100841	Strand	+
Start	5418	End	9958
Name	OJ000204_25.0306.C5.o1.tm	Method	TBLASTX:Maize
Start	5785	End	8366
GI	none	Score	131
Exons	5785..5910, 6842..6913, 6844..6912, 7134..7253, 7137..7253, 7138..7254, 7159..7254, 7769..7843, 7770..7841, 7954..8019, 7955..8038, 7966..8055, 7971..8057, 8089..8187, 8115..8177, 8115..8204, 8122..8196, 8315..8362, 8316..8366		

Seq. No.	47398	Seq. ID	OJ000204_25.0306.C5
Gene No.	100841	Strand	+
Start	5418	End	9958
Name	OJ000204_25.0306.C5.o1.tc	Method	TBLASTX:Cress
Start	7982	End	9538
GI	none	Score	98
Exons	7982..8023, 7983..8057, 7984..8055, 8089..8187, 8122..8196, 8316..8375, 8319..8366, 8444..8500, 8446..8520, 8594..8653, 8595..8654, 8767..8952, 8769..8951, 9296..9352, 9298..9360, 9449..9538, 9454..9507		

Seq. No.	47398	Seq. ID	OJ000204_25.0306.C5
Gene No.	100841	Strand	+
Start	5418	End	9958
Name	OJ000204_25.0306.C5.o1.ts	Method	TBLASTX:Soybean
Start	8465	End	9958
GI	none	Score	46
Exons	8465..8500, 8595..8654, 8753..8929, 8767..8952, 8784..8930, 9296..9367, 9298..9366, 9444..9518, 9449..9538, 9454..9507,		

9911..9958

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100842	Strand	+
Start	128	End	2858
Name	OJ000204_25.0306.C6.o1.gs	Method	GENSCAN
Start	128	End	2858
GI	none	Score	.65
Exons	128..257, 327..726, 919..1080, 1168..1272, 1414..1508, 1596..1692, 2496..2858		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100842	Strand	+
Start	128	End	2858
Name	OJ000204_25.0306.C6.o1.np	Method	AAT/NAP
Start	128	End	2698
GI	1839188	Score	758
Exons	128..252, 385..647, 727..823, 919..1080, 1168..1272, 1414..1508, 1596..1692, 2496..2698		
GI Descrip.	(U86081) root hair defective 3 [Arabidopsis thaliana]		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-
Start	4805	End	7927
Name	OJ000204_25.0306.C6.o3.tm	Method	TBLASTX:Maize
Start	127	End	1689
GI	none	Score	117
Exons	127..237, 382..654, 390..665, 721..822, 725..823, 949..1086, 1161..1253, 1162..1272, 1411..1527, 1440..1517, 1582..1689, 1593..1688		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-
Start	4805	End	7927
Name	OJ000204_25.0306.C6.o3.tc	Method	TBLASTX:Cress
Start	391	End	624
GI	none	Score	205
Exons	391..624, 399..623		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-
Start	4805	End	7927
Name	OJ000204_25.0306.C6.o2.ts	Method	TBLASTX:Soybean
Start	570	End	999
GI	none	Score	95
Exons	570..650, 571..648, 718..822, 725..823, 921..965, 949..999		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-
Start	4805	End	7927
Name	OJ000204_25.0306.C6.o4.tc	Method	TBLASTX:Cress
Start	949	End	1266
GI	none	Score	82
Exons	949..1086, 1153..1263, 1155..1265, 1156..1266		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-

Start	4805	End	7927
Name	OJ000204_25.0306.C6.o1.tm	Method	TBLASTX:Maize
Start	4745	End	5057
GI	none	Score	148
Exons	4745..5008, 4803..4895, 4804..4896, 4961..4996, 4968..4997, 5004..5057, 5006..5056		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-
Start	4805	End	7927
Name	OJ000204_25.0306.C6.o2.gs	Method	GENSCAN
Start	4805	End	7725
GI	none	Score	.94
Exons	4805..5380, 5698..6153, 6256..6340, 6406..6479, 6616..6665, 6754..6835, 7192..7272, 7654..7725		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-
Start	4805	End	7927
Name	OJ000204_25.0306.C6.o1.tc	Method	TBLASTX:Cress
Start	4806	End	5071
GI	none	Score	83
Exons	4806..4892, 4811..5071, 4968..5012		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-
Start	4805	End	7927
Name	OJ000204_25.0306.C6.o1.ts	Method	TBLASTX:Soybean
Start	4811	End	5294
GI	none	Score	94
Exons	4811..5029, 4812..4889, 4968..5030, 5085..5123, 5090..5119, 5162..5284, 5178..5294		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-
Start	4805	End	7927
Name	OJ000204_25.0306.C6.o4.tm	Method	TBLASTX:Maize
Start	5959	End	6829
GI	none	Score	78
Exons	5959..6045, 5960..6043, 6043..6201, 6043..6153, 6250..6321, 6257..6322, 6260..6322, 6406..6480, 6406..6477, 6408..6479, 6611..6667, 6616..6684, 6616..6666, 6716..6829, 6752..6817, 6753..6827		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-
Start	4805	End	7927
Name	OJ000204_25.0306.C6.o1.tw	Method	TBLASTX:Wheat
Start	6619	End	7284
GI	none	Score	92
Exons	6619..6666, 6734..6847, 6753..6836, 6910..6960, 7054..7098, 7183..7284		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-
Start	4805	End	7927
Name	OJ000204_25.0306.C6.o2.np	Method	AAT/NAP

Start	6722	End	7927
GI	4585993	Score	389
Exons	6722..6835, 6913..6962, 7053..7095, 7192..7272, 7371..7415, 7507..7553, 7645..7710, 7872..7927		
GI Descrip.	(AC005287) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-
Start	4805	End	7927
Name	OJ000204_25.0306.C6.o3.ts	Method	TBLASTX:Soybean
Start	6910	End	7284
GI	none	Score	73
Exons	6910..6963, 6911..6964, 7051..7098, 7183..7275, 7192..7284		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-
Start	4805	End	7927
Name	OJ000204_25.0306.C6.o2.tc	Method	TBLASTX:Cress
Start	6911	End	7713
GI	none	Score	60
Exons	6911..6964, 6916..6963, 7051..7089, 7189..7284, 7211..7309, 7371..7400, 7506..7583, 7675..7713		

Seq. No.	47399	Seq. ID	OJ000204_25.0306.C6
Gene No.	100843	Strand	-
Start	4805	End	7927
Name	OJ000204_25.0306.C6.o2.tm	Method	TBLASTX:Maize
Start	6919	End	7713
GI	none	Score	65
Exons	6919..6963, 6920..6973, 7051..7098, 7052..7096, 7167..7283, 7183..7284, 7192..7284, 7371..7400, 7372..7401, 7506..7565, 7507..7554, 7648..7713, 7649..7711		

Seq. No.	47400	Seq. ID	OJ000204_25.0306.C7
Gene No.	100844	Strand	-
Start	1	End	294
Name	OJ000204_25.0306.C7.o1.np	Method	AAT/NAP
Start	1	End	294
GI	4585993	Score	187
Exons	1..81, 209..294		
GI Descrip.	(AC005287) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	47400	Seq. ID	OJ000204_25.0306.C7
Gene No.	100845	Strand	-
Start	6895	End	8158
Name	OJ000204_25.0306.C7.o1.gp	Method	AAT/GAP
Start	6661	End	7797
GI	40192_1.R1084	Score	1031
Exons	6661..6961, 7342..7475, 7670..7797		
GI Descrip.	'3142292 3.0e-54 (AC002411) Contains similarity to tetratricopeptide repeat protein gb_U46571 from home sapiens. EST gb_Z47802 and gb_Z48402 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	47400	Seq. ID	OJ000204_25.0306.C7

Gene No.	100845	Strand	-
Start	6895	End	8158
Name	OJ000204_25.0306.C7.o1.tm	Method	TBLASTX:Maize
Start	6830	End	7754
GI	none	Score	101
Exons	6830..6964, 6856..6966, 6857..6964, 6898..6969, 7340..7480, 7341..7484, 7342..7479, 7667..7753, 7667..7753, 7668..7754, 7668..7754		

Seq. No.	47400	Seq. ID	OJ000204_25.0306.C7
Gene No.	100845	Strand	-
Start	6895	End	8158
Name	OJ000204_25.0306.C7.o3.gs	Method	GENSCAN
Start	6895	End	7789
GI	none	Score	.86
Exons	6895..6961, 7342..7475, 7670..7789		

Seq. No.	47400	Seq. ID	OJ000204_25.0306.C7
Gene No.	100845	Strand	-
Start	6895	End	8158
Name	OJ000204_25.0306.C7.o1.tc	Method	TBLASTX:Cress
Start	6904	End	7484
GI	none	Score	139
Exons	6904..6966, 7337..7480, 7341..7484, 7342..7479		

Seq. No.	47400	Seq. ID	OJ000204_25.0306.C7
Gene No.	100845	Strand	-
Start	6895	End	8158
Name	OJ000204_25.0306.C7.o2.np	Method	AAT/NAP
Start	7195	End	8158
GI	7485874	Score	287
Exons	7195..7475, 7670..7789, 7950..8158		
GI Descrip.	hypothetical protein F20D22.4 - Arabidopsis thaliana gi|3142292|gb|AAC16743.1| (AC002411) Contains similarity to tetratricopeptide repeat protein gb|U46571 from home sapiens. EST gb|Z47802 and gb|Z48402 come from this gene. [Arabidopsis thaliana]		

Seq. No.	47400	Seq. ID	OJ000204_25.0306.C7
Gene No.	100845	Strand	-
Start	6895	End	8158
Name	OJ000204_25.0306.C7.o1.ts	Method	TBLASTX:Soybean
Start	7306	End	7479
GI	none	Score	184
Exons	7306..7476, 7331..7477, 7333..7479, 7338..7478		

Seq. No.	47401	Seq. ID	OJ000204_25.0306.C9
Gene No.	100846	Strand	+
Start	8022	End	8345
Name	OJ000204_25.0306.C9.o3.gs	Method	GENSCAN
Start	8022	End	8345
GI	none	Score	.72
Exons	8022..8345		

Seq. No.	47401	Seq. ID	OJ000204_25.0306.C9
Gene No.	100847	Strand	-
Start	605	End	914

Name	OJ000204_25.0306.C9.o1.gs	Method	GENSCAN
Start	605	End	914
GI	none	Score	.96
Exons	605..914		

Seq. No.	47401	Seq. ID	OJ000204_25.0306.C9
Gene No.	100848	Strand	-
Start	8754	End	16333
Name	OJ000204_25.0306.C9.o4.gs	Method	GENSCAN
Start	8754	End	16333
GI	none	Score	.41
Exons	8754..8957, 10727..10866, 11722..11846, 12843..13006, 16178..16333		

Seq. No.	47402	Seq. ID	OJ000204_25.0306.C10
Gene No.	100849	Strand	+
Start	162	End	1642
Name	OJ000204_25.0306.C10.o1.gs	Method	GENSCAN
Start	162	End	1168
GI	none	Score	.97
Exons	162..909, 1020..1168		

Seq. No.	47402	Seq. ID	OJ000204_25.0306.C10
Gene No.	100849	Strand	+
Start	162	End	1642
Name	OJ000204_25.0306.C10.o1.np	Method	AAT/NAP
Start	162	End	1642
GI	6630696	Score	2564
Exons	162..1642		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	47402	Seq. ID	OJ000204_25.0306.C10
Gene No.	100849	Strand	+
Start	162	End	1642
Name	OJ000204_25.0306.C10.o1.gp	Method	AAT/GAP
Start	204	End	1094
GI	101595_1.R1084	Score	1435
Exons	204..904, 1020..1094		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	47402	Seq. ID	OJ000204_25.0306.C10
Gene No.	100850	Strand	-
Start	1438	End	1569
Name	OJ000204_25.0306.C10.o1.tw	Method	TBLASTX:Wheat
Start	56	End	453
GI	none	Score	128
Exons	56..154, 57..191, 168..452, 242..433, 271..453, 322..453		

Seq. No.	47402	Seq. ID	OJ000204_25.0306.C10
Gene No.	100850	Strand	-
Start	1438	End	1569
Name	OJ000204_25.0306.C10.o2.tm	Method	TBLASTX:Maize
Start	204	End	512
GI	none	Score	323

Exons	204..512, 251..433, 304..447, 333..509		
Seq. No.	47402	Seq. ID	OJ000204_25.0306.C10
Gene No.	100850	Strand	-
Start	1438	End	1569
Name	OJ000204_25.0306.C10.o1.tm	Method	TBLASTX:Maize
Start	1035	End	1379
GI	none	Score	391
Exons	1035..1307, 1036..1308, 1037..1309, 1037..1309, 1338..1379, 1343..1372		
Seq. No.	47402	Seq. ID	OJ000204_25.0306.C10
Gene No.	100850	Strand	-
Start	1438	End	1569
Name	OJ000204_25.0306.C10.o2.gs	Method	GENSCAN
Start	1438	End	1569
GI	none	Score	.98
Exons	1438..1569		
Seq. No.	47403	Seq. ID	OJ000204_25.0306.C11
Gene No.	100851	Strand	+
Start	1	End	969
Name	OJ000204_25.0306.C11.o1.np	Method	AAT/NAP
Start	1	End	969
GI	6630696	Score	1577
Exons	1..969		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	47403	Seq. ID	OJ000204_25.0306.C11
Gene No.	100852	Strand	-
Start	1749	End	8066
Name	OJ000204_25.0306.C11.o3.ts	Method	TBLASTX:Soybean
Start	5	End	342
GI	none	Score	63
Exons	5..55, 52..159, 160..342, 162..335		
Seq. No.	47403	Seq. ID	OJ000204_25.0306.C11
Gene No.	100852	Strand	-
Start	1749	End	8066
Name	OJ000204_25.0306.C11.o2.tm	Method	TBLASTX:Maize
Start	130	End	502
GI	none	Score	347
Exons	130..501, 162..500, 254..502		
Seq. No.	47403	Seq. ID	OJ000204_25.0306.C11
Gene No.	100852	Strand	-
Start	1749	End	8066
Name	OJ000204_25.0306.C11.o1.ts	Method	TBLASTX:Soybean
Start	346	End	720
GI	none	Score	117
Exons	346..477, 352..477, 495..626, 496..720		
Seq. No.	47403	Seq. ID	OJ000204_25.0306.C11
Gene No.	100852	Strand	-
Start	1749	End	8066

Name	OJ000204_25.0306.C11.o1.tw	Method	TBLASTX:Wheat
Start	358	End	833
GI	none	Score	105
Exons	358..432, 359..418, 363..431, 447..833, 448..831		

Seq. No.	47403	Seq. ID	OJ000204_25.0306.C11
Gene No.	100852	Strand	-
Start	1749	End	8066
Name	OJ000204_25.0306.C11.o2.tw	Method	TBLASTX:Wheat
Start	1110	End	1429
GI	none	Score	36
Exons	1110..1154, 1110..1142, 1155..1250, 1157..1252, 1180..1251, 1260..1319, 1262..1327, 1262..1327, 1278..1427, 1295..1405, 1336..1428, 1337..1429		

Seq. No.	47403	Seq. ID	OJ000204_25.0306.C11
Gene No.	100852	Strand	-
Start	1749	End	8066
Name	OJ000204_25.0306.C11.o2.gs	Method	GENSCAN
Start	1749	End	8009
GI	none	Score	.57
Exons	1749..2262, 4577..4686, 7443..8009		

Seq. No.	47403	Seq. ID	OJ000204_25.0306.C11
Gene No.	100852	Strand	-
Start	1749	End	8066
Name	OJ000204_25.0306.C11.o1.gp	Method	AAT/GAP
Start	7239	End	7431
GI	2317615	Score	319
Exons	7239..7431		

Seq. No.	47403	Seq. ID	OJ000204_25.0306.C11
Gene No.	100852	Strand	-
Start	1749	End	8066
Name	OJ000204_25.0306.C11.o2.np	Method	AAT/NAP
Start	7377	End	8066
GI	7446364	Score	329
Exons	7377..8066		
GI Descrip.	probable protein kinase - Arabidopsis thaliana gi|5302772|emb|CAB46060.1| (Z97336) SNF1 like protein kinase [Arabidopsis thaliana] gi|7268164|emb|CAB78500.1| (AL161539) SNF1 like protein kinase [Arabidopsis thaliana]		

Seq. No.	47403	Seq. ID	OJ000204_25.0306.C11
Gene No.	100852	Strand	-
Start	1749	End	8066
Name	OJ000204_25.0306.C11.o2.ts	Method	TBLASTX:Soybean
Start	7716	End	8066
GI	none	Score	170
Exons	7716..7856, 7887..8066		

Seq. No.	47403	Seq. ID	OJ000204_25.0306.C11
Gene No.	100852	Strand	-
Start	1749	End	8066
Name	OJ000204_25.0306.C11.o1.tm	Method	TBLASTX:Maize
Start	7719	End	8066
GI	none	Score	42

Exons	7719..7757, 7719..7781, 7723..7782, 7782..7883, 7783..7947, 7878..8066, 7885..8064		
Seq. No.	47403	Seq. ID	OJ000204_25.0306.C11
Gene No.	100852	Strand	-
Start	1749	End	8066
Name	OJ000204_25.0306.C11.o3.tw	Method	TBLASTX:Wheat
Start	7731	End	8066
GI	none	Score	37
Exons	7731..7772, 7732..7818, 7803..7877, 7878..8066, 7879..8061		
Seq. No.	47403	Seq. ID	OJ000204_25.0306.C11
Gene No.	100852	Strand	-
Start	1749	End	8066
Name	OJ000204_25.0306.C11.o1.tc	Method	TBLASTX:Cress
Start	7893	End	8066
GI	none	Score	187
Exons	7893..8066		
Seq. No.	47404	Seq. ID	OJ000204_25.0306.C12
Gene No.	100853	Strand	-
Start	1	End	1225
Name	OJ000204_25.0306.C12.o1.np	Method	AAT/NAP
Start	1	End	1225
GI	6651177	Score	386
Exons	1..468, 1160..1225		
GI Descrip.	(AF141378) protein kinase PK4 [Zea mays]		
Seq. No.	47404	Seq. ID	OJ000204_25.0306.C12
Gene No.	100853	Strand	-
Start	1	End	1225
Name	OJ000204_25.0306.C12.o1.gp	Method	AAT/GAP
Start	128	End	527
GI	49180_1.R1084	Score	729
Exons	128..527		
GI Descrip.	'170076 1.0e-15 (L01433) calmodulin [Glycine max] >gi_1583770_prf__2121384D calmodulin [Glycine max]'		
Seq. No.	47404	Seq. ID	OJ000204_25.0306.C12
Gene No.	100854	Strand	-
Start	3994	End	5820
Name	OJ000204_25.0306.C12.o1.tw	Method	TBLASTX:Wheat
Start	154	End	414
GI	none	Score	129
Exons	154..237, 157..195, 158..391, 241..390, 352..414		
Seq. No.	47404	Seq. ID	OJ000204_25.0306.C12
Gene No.	100854	Strand	-
Start	3994	End	5820
Name	OJ000204_25.0306.C12.o2.gs	Method	GENSCAN
Start	3994	End	5820
GI	none	Score	.62
Exons	3994..4163, 5540..5621, 5761..5820		
Seq. No.	47405	Seq. ID	OJ000204_25.0306.C13
Gene No.	100855	Strand	+
Start	1900	End	6521

Name	OJ000204_25.0306.C13.o1.gs	Method	GENSCAN
Start	1900	End	6521
GI	none	Score	.73
Exons	1900..1950, 2865..2922, 4231..4288, 6169..6220, 6291..6521		

Seq. No.	47405	Seq. ID	OJ000204_25.0306.C13
Gene No.	100855	Strand	+
Start	1900	End	6521
Name	OJ000204_25.0306.C13.o1.np	Method	AAT/NAP
Start	4014	End	4170
GI	6815099	Score	111
Exons	4014..4170		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47405	Seq. ID	OJ000204_25.0306.C13
Gene No.	100856	Strand	+
Start	9885	End	10471
Name	OJ000204_25.0306.C13.o1.gp	Method	AAT/GAP
Start	9885	End	10213
GI	2311842	Score	632
Exons	9885..10213		
GI Descrip.	170076 1.0e-15 (L01433) calmodulin [Glycine max] >gi_1583770_prf__2121384D calmodulin [Glycine max]		

Seq. No.	47405	Seq. ID	OJ000204_25.0306.C13
Gene No.	100856	Strand	+
Start	9885	End	10471
Name	OJ000204_25.0306.C13.o2.np	Method	AAT/NAP
Start	9986	End	10471
GI	7441485	Score	501
Exons	9986..10219, 10256..10471		
GI Descrip.	calmodulin - soybean gi|170076|gb|AAA34015.1| (L01433) calmodulin [Glycine max] gi|1583770|prf||2121384D calmodulin [Glycine max]		

Seq. No.	47405	Seq. ID	OJ000204_25.0306.C13
Gene No.	100857	Strand	-
Start	13876	End	19487
Name	OJ000204_25.0306.C13.o1.tm	Method	TBLASTX:Maize
Start	10021	End	10464
GI	none	Score	239
Exons	10021..10212, 10021..10212, 10022..10213, 10022..10213, 10025..10213, 10025..10213, 10277..10462, 10277..10351, 10277..10462, 10280..10459, 10280..10459, 10294..10464, 10294..10464		

Seq. No.	47405	Seq. ID	OJ000204_25.0306.C13
Gene No.	100857	Strand	-
Start	13876	End	19487
Name	OJ000204_25.0306.C13.o1.tw	Method	TBLASTX:Wheat
Start	10021	End	10464
GI	none	Score	239
Exons	10021..10212, 10022..10213, 10025..10213, 10277..10462, 10277..10351, 10280..10459, 10294..10464		

Seq. No.	47405	Seq. ID	OJ000204_25.0306.C13
Gene No.	100857	Strand	-

Start	13876	End	19487
Name	OJ000204_25.0306.C13.o1.tc	Method	TBLASTX:Cress
Start	10022	End	10464
GI	none	Score	239
Exons	10022..10213, 10025..10213, 10090..10212, 10277..10462, 10280..10459, 10291..10464		

Seq. No.	47405	Seq. ID	OJ000204_25.0306.C13
Gene No.	100857	Strand	-
Start	13876	End	19487
Name	OJ000204_25.0306.C13.o1.ts	Method	TBLASTX:Soybean
Start	10022	End	10462
GI	none	Score	245
Exons	10022..10213, 10025..10204, 10090..10206, 10277..10462, 10280..10459, 10291..10461		

Seq. No.	47405	Seq. ID	OJ000204_25.0306.C13
Gene No.	100857	Strand	-
Start	13876	End	19487
Name	OJ000204_25.0306.C13.o3.gs	Method	GENSCAN
Start	13876	End	19487
GI	none	Score	.43
Exons	13876..13966, 15446..15545, 19349..19487		

Seq. No.	47406	Seq. ID	OJ000204_26.0307.C4
Gene No.	100858	Strand	+
Start	7436	End	7801
Name	OJ000204_26.0307.C4.o2.gs	Method	GENSCAN
Start	7436	End	7801
GI	none	Score	.74
Exons	7436..7801		

Seq. No.	47406	Seq. ID	OJ000204_26.0307.C4
Gene No.	100858	Strand	+
Start	7436	End	7801
Name	OJ000204_26.0307.C4.o2.np	Method	AAT/NAP
Start	7436	End	7798
GI	4874310	Score	241
Exons	7436..7798		
GI Descrip.	(AC006053) unknown protein [Arabidopsis thaliana]		

Seq. No.	47406	Seq. ID	OJ000204_26.0307.C4
Gene No.	100859	Strand	-
Start	1	End	6575
Name	OJ000204_26.0307.C4.o1.np	Method	AAT/NAP
Start	1	End	4522
GI	4038042	Score	1526
Exons	1..29, 303..468, 891..1064, 1137..1322, 1869..2049, 2150..2400, 2709..2749, 3447..3564, 3638..3769, 3812..4048, 4300..4522		
GI Descrip.	(AC005936) SNF2/RAD54 family (ETL1 subfamily) protein [Arabidopsis thaliana]		

Seq. No.	47406	Seq. ID	OJ000204_26.0307.C4
Gene No.	100859	Strand	-
Start	1	End	6575
Name	OJ000204_26.0307.C4.o1.gs	Method	GENSCAN
Start	310	End	6575

GI	none	Score	.54
Exons	310..468, 891..1064, 1137..1322, 1869..2049, 2150..2400, 2709..2749, 3447..3600, 3638..4752, 5413..5452, 6567..6575		

Seq. No.	47406	Seq. ID	OJ000204_26.0307.C4
Gene No.	100860	Strand	-
Start	8492	End	8690
Name	OJ000204_26.0307.C4.o2.ts	Method	TBLASTX:Soybean
Start	355	End	1196
GI	none	Score	114
Exons	355..471, 356..469, 882..1073, 892..1068, 1134..1196, 1135..1194, 1137..1196		

Seq. No.	47406	Seq. ID	OJ000204_26.0307.C4
Gene No.	100860	Strand	-
Start	8492	End	8690
Name	OJ000204_26.0307.C4.o1.tm	Method	TBLASTX:Maize
Start	415	End	1336
GI	none	Score	68
Exons	415..471, 415..489, 882..1073, 888..953, 892..1068, 1131..1331, 1135..1332, 1136..1336		

Seq. No.	47406	Seq. ID	OJ000204_26.0307.C4
Gene No.	100860	Strand	-
Start	8492	End	8690
Name	OJ000204_26.0307.C4.o1.ts	Method	TBLASTX:Soybean
Start	1977	End	3534
GI	none	Score	85
Exons	1977..2051, 1977..2051, 2150..2401, 2155..2403, 2709..2750, 3442..3534		

Seq. No.	47406	Seq. ID	OJ000204_26.0307.C4
Gene No.	100860	Strand	-
Start	8492	End	8690
Name	OJ000204_26.0307.C4.o3.gs	Method	GENSCAN
Start	8492	End	8690
GI	none	Score	.51
Exons	8492..8690		

Seq. No.	47407	Seq. ID	OJ000204_26.0307.C5
Gene No.	100861	Strand	-
Start	1594	End	1723
Name	OJ000204_26.0307.C5.o1.gs	Method	GENSCAN
Start	1594	End	1723
GI	none	Score	.84
Exons	1594..1723		

Seq. No.	47408	Seq. ID	OJ000204_26.0307.C6
Gene No.	100862	Strand	+
Start	1	End	2527
Name	OJ000204_26.0307.C6.o1.np	Method	AAT/NAP
Start	1	End	2527
GI	6693018	Score	99
Exons	1..28, 1527..1581, 1700..1782, 2356..2527		
GI Descrip.	(AC012375) T22C5.11 [Arabidopsis thaliana]		

Seq. No.	47409	Seq. ID	OJ000204_26.0307.C7

Gene No.	100863	Strand	-
Start	77	End	8929
Name	OJ000204_26.0307.C7.o1.np	Method	AAT/NAP
Start	77	End	3722
GI	5091523	Score	102
Exons	77..232, 391..578, 737..1182, 3698..3722		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	47409	Seq. ID	OJ000204_26.0307.C7
Gene No.	100863	Strand	-
Start	77	End	8929
Name	OJ000204_26.0307.C7.o1.gs	Method	GENSCAN
Start	220	End	1896
GI	none	Score	.62
Exons	220..371, 690..1086, 1832..1896		

Seq. No.	47409	Seq. ID	OJ000204_26.0307.C7
Gene No.	100863	Strand	-
Start	77	End	8929
Name	OJ000204_26.0307.C7.o1.gp	Method	AAT/GAP
Start	2478	End	2931
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	2478..2931		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	47409	Seq. ID	OJ000204_26.0307.C7
Gene No.	100863	Strand	-
Start	77	End	8929
Name	OJ000204_26.0307.C7.o2.gs	Method	GENSCAN
Start	2756	End	8929
GI	none	Score	.49
Exons	2756..2916, 3067..3269, 3274..3321, 3385..3516, 3617..3672, 3830..4012, 4105..4363, 4440..4738, 4830..5145, 5325..5359, 5415..5694, 5767..5917, 6301..8929		

Seq. No.	47409	Seq. ID	OJ000204_26.0307.C7
Gene No.	100863	Strand	-
Start	77	End	8929
Name	OJ000204_26.0307.C7.o2.np	Method	AAT/NAP
Start	3602	End	8842
GI	7228438	Score	5544
Exons	3602..3672, 3830..4012, 4105..4363, 4440..4738, 4830..5240, 5325..5423, 6881..8842		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	47409	Seq. ID	OJ000204_26.0307.C7
Gene No.	100863	Strand	-
Start	77	End	8929
Name	OJ000204_26.0307.C7.o2.gp	Method	AAT/GAP
Start	4113	End	4612
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	4113..4363, 4440..4612		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)		

corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No.	47409	Seq. ID	OJ000204_26.0307.C7
Gene No.	100863	Strand	-
Start	77	End	8929
Name	OJ000204_26.0307.C7.o1.tw	Method	TBLASTX:Wheat
Start	7241	End	7621
GI	none	Score	103
Exons	7241..7417, 7242..7421, 7415..7612, 7427..7621		

Seq. No.	47409	Seq. ID	OJ000204_26.0307.C7
Gene No.	100863	Strand	-
Start	77	End	8929
Name	OJ000204_26.0307.C7.o1.tm	Method	TBLASTX:Maize
Start	7319	End	7915
GI	none	Score	151
Exons	7319..7390, 7454..7753, 7515..7736, 7787..7915, 7809..7907		

Seq. No.	47409	Seq. ID	OJ000204_26.0307.C7
Gene No.	100863	Strand	-
Start	77	End	8929
Name	OJ000204_26.0307.C7.o3.gp	Method	AAT/GAP
Start	7441	End	7872
GI	5701669	Score	853
Exons	7441..7872		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	47410	Seq. ID	OJ000204_26.0307.C8
Gene No.	100864	Strand	+
Start	41	End	5118
Name	OJ000204_26.0307.C8.o1.gs	Method	GENSCAN
Start	41	End	5118
GI	none	Score	.4
Exons	41..166, 2438..2555, 3509..3592, 3746..3920, 4846..5118		

Seq. No.	47411	Seq. ID	OJ000204_26.0307.C9
Gene No.	100865	Strand	-
Start	1308	End	1432
Name	OJ000204_26.0307.C9.o1.gs	Method	GENSCAN
Start	1308	End	1432
GI	none	Score	.47
Exons	1308..1432		

Seq. No.	47412	Seq. ID	OJ000204_26.0307.C10
Gene No.	100866	Strand	+
Start	4463	End	5670
Name	OJ000204_26.0307.C10.o2.np	Method	AAT/NAP
Start	4463	End	5670
GI	7484805	Score	1112
Exons	4463..5670		
GI Descrip.	amino acid transport protein homolog F22I13.20 - Arabidopsis thaliana gi|4539333|emb|CAB37481.1| (AL035539) putative amino acid transport protein [Arabidopsis thaliana] gi|7270809|emb|CAB80490.1| (AL161593) putative amino acid		

transport protein [Arabidopsis thaliana]

Seq. No.	47412	Seq. ID	OJ000204_26.0307.C10
Gene No.	100866	Strand	+
Start	4463	End	5670
Name	OJ000204_26.0307.C10.o1.tm	Method	TBLASTX:Maize
Start	4474	End	5113
GI	none	Score	39
Exons	4474..4500, 4481..4507, 4561..4902, 4565..4936, 4703..4906, 4913..5113, 4915..5112		

Seq. No.	47412	Seq. ID	OJ000204_26.0307.C10
Gene No.	100866	Strand	+
Start	4463	End	5670
Name	OJ000204_26.0307.C10.o2.tc	Method	TBLASTX:Cress
Start	4564	End	4879
GI	none	Score	195
Exons	4564..4722, 4565..4741, 4756..4872, 4760..4879, 4775..4879		

Seq. No.	47412	Seq. ID	OJ000204_26.0307.C10
Gene No.	100866	Strand	+
Start	4463	End	5670
Name	OJ000204_26.0307.C10.o3.ts	Method	TBLASTX:Soybean
Start	4565	End	4888
GI	none	Score	148
Exons	4565..4756, 4579..4755, 4766..4888		

Seq. No.	47412	Seq. ID	OJ000204_26.0307.C10
Gene No.	100866	Strand	+
Start	4463	End	5670
Name	OJ000204_26.0307.C10.o1.ts	Method	TBLASTX:Soybean
Start	4937	End	5254
GI	none	Score	324
Exons	4937..5254, 4999..5235		

Seq. No.	47412	Seq. ID	OJ000204_26.0307.C10
Gene No.	100866	Strand	+
Start	4463	End	5670
Name	OJ000204_26.0307.C10.o1.tc	Method	TBLASTX:Cress
Start	5092	End	5670
GI	none	Score	389
Exons	5092..5544, 5093..5530, 5527..5670, 5591..5668		

Seq. No.	47412	Seq. ID	OJ000204_26.0307.C10
Gene No.	100866	Strand	+
Start	4463	End	5670
Name	OJ000204_26.0307.C10.o2.tm	Method	TBLASTX:Maize
Start	5138	End	5668
GI	none	Score	628
Exons	5138..5668, 5140..5667		

Seq. No.	47412	Seq. ID	OJ000204_26.0307.C10
Gene No.	100866	Strand	+
Start	4463	End	5670
Name	OJ000204_26.0307.C10.o2.ts	Method	TBLASTX:Soybean
Start	5273	End	5571
GI	5753219	Score	222

Exons	5273..5437, 5317..5436, 5447..5536, 5470..5571
GI Descrip.	4539333/emb_CAB37481.1_ 2.0e-12 (AL035539) putative amino acid transport protein [Arabidopsis thaliana]

Seq. No.	47413	Seq. ID	OJ000204_26.0307.C11
Gene No.	100867	Strand	-
Start	3539	End	4939
Name	OJ000204_26.0307.C11.o2.gs	Method	GENSCAN
Start	3539	End	4933
GI	none	Score	.98
Exons	3539..4933		

Seq. No.	47413	Seq. ID	OJ000204_26.0307.C11
Gene No.	100867	Strand	-
Start	3539	End	4939
Name	OJ000204_26.0307.C11.o1.np	Method	AAT/NAP
Start	3542	End	4939
GI	6226510	Score	720
Exons	3542..4939		
GI Descrip.	ZEATIN O-GLUCOSYLTRANSFERASE (ZEATIN O-BETA-D-GLUCOSYLTRANSFERASE) gi|4140691 (AF101972) zeatin O-glucosyltransferase [Phaseolus lunatus]		

Seq. No.	47413	Seq. ID	OJ000204_26.0307.C11
Gene No.	100868	Strand	-
Start	5606	End	6704
Name	OJ000204_26.0307.C11.o1.tw	Method	TBLASTX:Wheat
Start	3526	End	3917
GI	none	Score	50
Exons	3526..3588, 3536..3586, 3537..3608, 3573..3917, 3581..3916, 3666..3917		

Seq. No.	47413	Seq. ID	OJ000204_26.0307.C11
Gene No.	100868	Strand	-
Start	5606	End	6704
Name	OJ000204_26.0307.C11.o2.tm	Method	TBLASTX:Maize
Start	3527	End	3818
GI	none	Score	226
Exons	3527..3586, 3581..3805, 3588..3806, 3792..3818		

Seq. No.	47413	Seq. ID	OJ000204_26.0307.C11
Gene No.	100868	Strand	-
Start	5606	End	6704
Name	OJ000204_26.0307.C11.o1.tc	Method	TBLASTX:Cress
Start	3722	End	4160
GI	none	Score	97
Exons	3722..3940, 3783..3920, 4013..4159, 4014..4160		

Seq. No.	47413	Seq. ID	OJ000204_26.0307.C11
Gene No.	100868	Strand	-
Start	5606	End	6704
Name	OJ000204_26.0307.C11.o1.ts	Method	TBLASTX:Soybean
Start	3746	End	4213
GI	none	Score	95
Exons	3746..3952, 3783..3941, 4013..4213		

Seq. No.	47413	Seq. ID	OJ000204_26.0307.C11

Gene No.	100868	Strand	-
Start	5606	End	6704
Name	OJ000204_26.0307.C11.o1.tm	Method	TBLASTX:Maize
Start	4077	End	4561
GI	none	Score	118
Exons	4077..4166, 4085..4165, 4095..4169, 4196..4324, 4196..4315, 4228..4374, 4361..4552, 4361..4561, 4368..4559		

Seq. No.	47413	Seq. ID	OJ000204_26.0307.C11
Gene No.	100868	Strand	-
Start	5606	End	6704
Name	OJ000204_26.0307.C11.o2.tw	Method	TBLASTX:Wheat
Start	4142	End	4437
GI	none	Score	151
Exons	4142..4435, 4142..4435, 4143..4436, 4144..4437		

Seq. No.	47413	Seq. ID	OJ000204_26.0307.C11
Gene No.	100868	Strand	-
Start	5606	End	6704
Name	OJ000204_26.0307.C11.o3.tm	Method	TBLASTX:Maize
Start	4562	End	4891
GI	none	Score	168
Exons	4562..4807, 4626..4835, 4827..4889, 4853..4891		

Seq. No.	47413	Seq. ID	OJ000204_26.0307.C11
Gene No.	100868	Strand	-
Start	5606	End	6704
Name	OJ000204_26.0307.C11.o3.gs	Method	GENSCAN
Start	5606	End	6704
GI	none	Score	.84
Exons	5606..5707, 5964..6250, 6274..6350, 6584..6704		

Seq. No.	47414	Seq. ID	OJ000204_26.0307.C12
Gene No.	100869	Strand	-
Start	478	End	3390
Name	OJ000204_26.0307.C12.o1.gs	Method	GENSCAN
Start	478	End	3390
GI	none	Score	.45
Exons	478..1007, 1218..1715, 2334..2465, 2532..2820, 3052..3170, 3207..3390		

Seq. No.	47414	Seq. ID	OJ000204_26.0307.C12
Gene No.	100869	Strand	-
Start	478	End	3390
Name	OJ000204_26.0307.C12.o1.np	Method	AAT/NAP
Start	541	End	1773
GI	6997177	Score	986
Exons	541..1773		
GI Descrip.	(AC023839) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47414	Seq. ID	OJ000204_26.0307.C12
Gene No.	100870	Strand	-
Start	3473	End	3624
Name	OJ000204_26.0307.C12.o2.tm	Method	TBLASTX:Maize
Start	703	End	1041
GI	none	Score	45
Exons	703..768, 764..811, 772..810, 808..1041, 898..1041		

Seq. No.	47414	Seq. ID	OJ000204_26.0307.C12
Gene No.	100870	Strand	-
Start	3473	End	3624
Name	OJ000204_26.0307.C12.o1.tw	Method	TBLASTX:Wheat
Start	715	End	1129
GI	none	Score	80
Exons	715..813, 715..942, 791..949, 863..940, 864..950, 942..1124, 952..1128, 962..1129		

Seq. No.	47414	Seq. ID	OJ000204_26.0307.C12
Gene No.	100870	Strand	-
Start	3473	End	3624
Name	OJ000204_26.0307.C12.o1.tm	Method	TBLASTX:Maize
Start	1042	End	1473
GI	none	Score	84
Exons	1042..1125, 1043..1126, 1144..1473, 1145..1456		

Seq. No.	47414	Seq. ID	OJ000204_26.0307.C12
Gene No.	100870	Strand	-
Start	3473	End	3624
Name	OJ000204_26.0307.C12.o2.tw	Method	TBLASTX:Wheat
Start	1259	End	1716
GI	none	Score	133
Exons	1259..1486, 1261..1716		

Seq. No.	47414	Seq. ID	OJ000204_26.0307.C12
Gene No.	100870	Strand	-
Start	3473	End	3624
Name	OJ000204_26.0307.C12.o3.np	Method	AAT/NAP
Start	3473	End	3624
GI	7523512	Score	176
Exons	3473..3624		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47415	Seq. ID	OJ000204_26.0307.C13
Gene No.	100871	Strand	+
Start	23	End	4763
Name	OJ000204_26.0307.C13.o1.gs	Method	GENSCAN
Start	23	End	3062
GI	none	Score	.6
Exons	23..85, 350..524, 561..1444, 1587..1641, 1717..3062		

Seq. No.	47415	Seq. ID	OJ000204_26.0307.C13
Gene No.	100871	Strand	+
Start	23	End	4763
Name	OJ000204_26.0307.C13.o1.np	Method	AAT/NAP
Start	635	End	4763
GI	7228457	Score	6429
Exons	635..1001, 1063..2999, 3063..3897, 4020..4763		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47415	Seq. ID	OJ000204_26.0307.C13
Gene No.	100871	Strand	+
Start	23	End	4763

Name	OJ000204_26.0307.C13.o3.tw	Method	TBLASTX:Wheat
Start	2420	End	2906
GI	none	Score	400
Exons	2420..2593, 2421..2906, 2615..2875		

Seq. No.	47415	Seq. ID	OJ000204_26.0307.C13
Gene No.	100871	Strand	+
Start	23	End	4763
Name	OJ000204_26.0307.C13.o1.tw	Method	TBLASTX:Wheat
Start	3071	End	3533
GI	none	Score	582
Exons	3071..3526, 3072..3533		

Seq. No.	47415	Seq. ID	OJ000204_26.0307.C13
Gene No.	100871	Strand	+
Start	23	End	4763
Name	OJ000204_26.0307.C13.o2.ts	Method	TBLASTX:Soybean
Start	3111	End	3476
GI	none	Score	117
Exons	3111..3335, 3342..3476		

Seq. No.	47415	Seq. ID	OJ000204_26.0307.C13
Gene No.	100871	Strand	+
Start	23	End	4763
Name	OJ000204_26.0307.C13.o2.gs	Method	GENSCAN
Start	3126	End	4671
GI	none	Score	.94
Exons	3126..4284, 4477..4671		

Seq. No.	47415	Seq. ID	OJ000204_26.0307.C13
Gene No.	100871	Strand	+
Start	23	End	4763
Name	OJ000204_26.0307.C13.o1.tm	Method	TBLASTX:Maize
Start	3201	End	3557
GI	none	Score	387
Exons	3201..3557, 3236..3547, 3252..3557		

Seq. No.	47415	Seq. ID	OJ000204_26.0307.C13
Gene No.	100871	Strand	+
Start	23	End	4763
Name	OJ000204_26.0307.C13.o2.tm	Method	TBLASTX:Maize
Start	3584	End	3968
GI	none	Score	357
Exons	3584..3949, 3585..3968		

Seq. No.	47415	Seq. ID	OJ000204_26.0307.C13
Gene No.	100871	Strand	+
Start	23	End	4763
Name	OJ000204_26.0307.C13.o2.tw	Method	TBLASTX:Wheat
Start	3641	End	4061
GI	none	Score	487
Exons	3641..4054, 3642..4061		

Seq. No.	47415	Seq. ID	OJ000204_26.0307.C13
Gene No.	100871	Strand	+
Start	23	End	4763
Name	OJ000204_26.0307.C13.o1.ts	Method	TBLASTX:Soybean

Start	3720	End	4091
GI	none	Score	273
Exons	3720..4091, 3737..3880		

Seq. No.	47416	Seq. ID	OJ000204_26.0307.C14
Gene No.	100872	Strand	+
Start	1	End	1642
Name	OJ000204_26.0307.C14.o1.np	Method	AAT/NAP
Start	1	End	1642
GI	7228457	Score	2627
Exons	1..25, 92..1642		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47416	Seq. ID	OJ000204_26.0307.C14
Gene No.	100873	Strand	-
Start	2273	End	4075
Name	OJ000204_26.0307.C14.o3.tw	Method	TBLASTX:Wheat
Start	1	End	319
GI	none	Score	192
Exons	1..183, 59..319		

Seq. No.	47416	Seq. ID	OJ000204_26.0307.C14
Gene No.	100873	Strand	-
Start	2273	End	4075
Name	OJ000204_26.0307.C14.o1.tm	Method	TBLASTX:Maize
Start	512	End	874
GI	none	Score	357
Exons	512..835, 541..822, 827..874		

Seq. No.	47416	Seq. ID	OJ000204_26.0307.C14
Gene No.	100873	Strand	-
Start	2273	End	4075
Name	OJ000204_26.0307.C14.o1.tw	Method	TBLASTX:Wheat
Start	649	End	1050
GI	none	Score	364
Exons	649..705, 650..1030, 751..1050		

Seq. No.	47416	Seq. ID	OJ000204_26.0307.C14
Gene No.	100873	Strand	-
Start	2273	End	4075
Name	OJ000204_26.0307.C14.o2.tw	Method	TBLASTX:Wheat
Start	1055	End	1633
GI	none	Score	235
Exons	1055..1315, 1057..1314, 1079..1447, 1507..1629, 1508..1633		

Seq. No.	47416	Seq. ID	OJ000204_26.0307.C14
Gene No.	100873	Strand	-
Start	2273	End	4075
Name	OJ000204_26.0307.C14.o2.tm	Method	TBLASTX:Maize
Start	1502	End	1648
GI	none	Score	186
Exons	1502..1648, 1507..1641		

Seq. No.	47416	Seq. ID	OJ000204_26.0307.C14
Gene No.	100873	Strand	-

Start	2273	End	4075
Name	OJ000204_26.0307.C14.o2.gs	Method	GENSCAN
Start	2273	End	4022
GI	none	Score	.93
Exons	2273..2693, 2792..2934, 2949..4022		

Seq. No.	47416	Seq. ID	OJ000204_26.0307.C14
Gene No.	100873	Strand	-
Start	2273	End	4075
Name	OJ000204_26.0307.C14.o2.np	Method	AAT/NAP
Start	2276	End	4075
GI	7228456	Score	2676
Exons	2276..4075		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	47417	Seq. ID	OJ000204_26.0307.C15
Gene No.	100874	Strand	-
Start	1	End	1360
Name	OJ000204_26.0307.C15.o1.np	Method	AAT/NAP
Start	1	End	1360
GI	6907089	Score	2121
Exons	1..1360		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47417	Seq. ID	OJ000204_26.0307.C15
Gene No.	100874	Strand	-
Start	1	End	1360
Name	OJ000204_26.0307.C15.o1.gs	Method	GENSCAN
Start	99	End	1360
GI	none	Score	.8
Exons	99..497, 639..1360		

Seq. No.	47417	Seq. ID	OJ000204_26.0307.C15
Gene No.	100875	Strand	-
Start	1997	End	2149
Name	OJ000204_26.0307.C15.o2.np	Method	AAT/NAP
Start	1997	End	2149
GI	7523512	Score	194
Exons	1997..2149		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100876	Strand	+
Start	339	End	894
Name	OJ000204_26.0307.C16.o1.gs	Method	GENSCAN
Start	339	End	894
GI	none	Score	.67
Exons	339..401, 664..894		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100877	Strand	+
Start	4580	End	6338
Name	OJ000204_26.0307.C16.o2.np	Method	AAT/NAP
Start	4580	End	6338
GI	7523517	Score	326
Exons	4580..4878, 5023..5097, 6216..6338		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100878	Strand	+
Start	7959	End	12393
Name	OJ000204_26.0307.C16.o7.np	Method	AAT/NAP
Start	7959	End	12361
GI	4539658	Score	166
Exons	7959..8048, 9379..9498, 9539..9689, 12317..12361		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100878	Strand	+
Start	7959	End	12393
Name	OJ000204_26.0307.C16.o8.np	Method	AAT/NAP
Start	8571	End	9713
GI	4539658	Score	146
Exons	8571..8605, 9415..9498, 9539..9713		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100878	Strand	+
Start	7959	End	12393
Name	OJ000204_26.0307.C16.o9.np	Method	AAT/NAP
Start	10297	End	12393
GI	7523517	Score	336
Exons	10297..10606, 10757..10795, 12371..12393		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100878	Strand	+
Start	7959	End	12393
Name	OJ000204_26.0307.C16.o10.np	Method	AAT/NAP
Start	11699	End	11947
GI	7340924	Score	79
Exons	11699..11947		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100879	Strand	-
Start	1878	End	3278
Name	OJ000204_26.0307.C16.o1.np	Method	AAT/NAP
Start	1854	End	3278
GI	6226510	Score	718
Exons	1854..3278		
GI Descrip.	ZEATIN O-GLUCOSYLTRANSFERASE (ZEATIN O-BETA-D-GLUCOSYLTRANSFERASE) gi|4140691 (AF101972) zeatin O-glucosyltransferase [Phaseolus lunatus]		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100879	Strand	-
Start	1878	End	3278
Name	OJ000204_26.0307.C16.o2.gs	Method	GENSCAN
Start	1878	End	3272
GI	none	Score	1
Exons	1878..3272		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o1.tw	Method	TBLASTX:Wheat
Start	1875	End	2256
GI	none	Score	67
Exons	1875..1925, 1876..1926, 1912..2256, 1920..2255		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o2.tm	Method	TBLASTX:Maize
Start	1876	End	2145
GI	none	Score	40
Exons	1876..1926, 1878..1925, 1920..2144, 1927..2145		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o1.tc	Method	TBLASTX:Cress
Start	2067	End	2498
GI	none	Score	104
Exons	2067..2279, 2122..2280, 2352..2498		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o1.ts	Method	TBLASTX:Soybean
Start	2070	End	2552
GI	none	Score	99
Exons	2070..2291, 2122..2280, 2352..2528, 2352..2552		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o5.tm	Method	TBLASTX:Maize
Start	2151	End	2417
GI	none	Score	92
Exons	2151..2279, 2151..2300, 2152..2352, 2346..2417, 2352..2417		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o1.tm	Method	TBLASTX:Maize
Start	2424	End	2901
GI	none	Score	118
Exons	2424..2504, 2431..2505, 2434..2508, 2435..2509, 2482..2541, 2533..2655, 2535..2654, 2700..2855, 2700..2900, 2701..2901		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o2.tw	Method	TBLASTX:Wheat
Start	2481	End	2775
GI	none	Score	174
Exons	2481..2774, 2481..2774, 2527..2775		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o3.tm	Method	TBLASTX:Maize
Start	2901	End	3228
GI	none	Score	203
Exons	2901..3149, 2926..3147, 3196..3228		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o4.np	Method	AAT/NAP
Start	4111	End	5438
GI	5902444	Score	73
Exons	4111..4134, 5300..5438		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o3.np	Method	AAT/NAP
Start	4826	End	6666
GI	6721512	Score	99
Exons	4826..4932, 4960..5051, 6400..6444, 6564..6666		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o6.np	Method	AAT/NAP
Start	4868	End	9512
GI	6907089	Score	238
Exons	4868..4901, 8312..8939, 9386..9512		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o4.gs	Method	GENSCAN
Start	6860	End	12700
GI	none	Score	.56
Exons	6860..7625, 7708..7766, 7837..8034, 8101..8225, 8393..8747, 9393..9502, 10380..10523, 12679..12700		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o5.np	Method	AAT/NAP
Start	6863	End	9119
GI	6721561	Score	1165
Exons	6863..7624, 7704..7766, 7837..8034, 9059..9119		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47418	Seq. ID	OJ000204_26.0307.C16
Gene No.	100880	Strand	-
Start	4111	End	12700
Name	OJ000204_26.0307.C16.o4.tm	Method	TBLASTX:Maize
Start	9282	End	10053
GI	none	Score	127
Exons	9282..9395, 9290..9397, 9294..9398, 9397..9507, 9398..9508, 9401..9520, 9754..9867, 9778..9870, 9779..9868, 9780..9878, 9780..9869, 9874..9906, 9874..9939, 9930..10040, 9937..10041, 9937..10053		

Seq. No.	47419	Seq. ID	OJ000204_26.0307.C18
Gene No.	100881	Strand	+
Start	192	End	1046
Name	OJ000204_26.0307.C18.o1.gs	Method	GENSCAN
Start	192	End	1046
GI	none	Score	.7
Exons	192..519, 602..816, 954..1046		

Seq. No.	47419	Seq. ID	OJ000204_26.0307.C18
Gene No.	100881	Strand	+
Start	192	End	1046
Name	OJ000204_26.0307.C18.o1.tm	Method	TBLASTX:Maize
Start	447	End	816
GI	none	Score	77
Exons	447..515, 447..515, 448..516, 448..516, 455..523, 458..517, 629..811, 631..816, 633..812, 646..816		

Seq. No.	47420	Seq. ID	OJ000204_26.0307.C19
Gene No.	100882	Strand	+
Start	1	End	735
Name	OJ000204_26.0307.C19.o1.np	Method	AAT/NAP
Start	1	End	735
GI	6069654	Score	174
Exons	1..150, 242..735		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	47420	Seq. ID	OJ000204_26.0307.C19
Gene No.	100882	Strand	+
Start	1	End	735
Name	OJ000204_26.0307.C19.o1.gs	Method	GENSCAN
Start	214	End	670
GI	none	Score	.64
Exons	214..372, 529..670		

Seq. No.	47421	Seq. ID	OJ000204_26.0307.C21
Gene No.	100883	Strand	-
Start	326	End	1158
Name	OJ000204_26.0307.C21.o1.np	Method	AAT/NAP
Start	326	End	1158
GI	7452454	Score	128
Exons	326..536, 1003..1158		
GI Descrip.	hypothetical protein F8D20.70 - Arabidopsis thaliana gi|3367574|emb|CAA20026.1| (AL031135) hypothetical protein [Arabidopsis thaliana] gi|7270507|emb|CAB80272.1| (AL161587) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47421	Seq. ID	OJ000204_26.0307.C21
Gene No.	100883	Strand	-
Start	326	End	1158
Name	OJ000204_26.0307.C21.o1.tm	Method	TBLASTX:Maize
Start	449	End	613
GI	none	Score	43
Exons	449..499, 450..491, 497..613,	501..611	

Seq. No.	47422	Seq. ID	OJ000204_27.0330.C2
Gene No.	100884	Strand	-
Start	1413	End	1549
Name	OJ000204_27.0330.C2.o1.gs	Method	GENSCAN
Start	1413	End	1549
GI	none	Score	1
Exons	1413..1549		

Seq. No.	47423	Seq. ID	OJ000204_27.0330.C3
Gene No.	100885	Strand	-
Start	23	End	51
Name	OJ000204_27.0330.C3.o1.gs	Method	GENSCAN
Start	23	End	51
GI	none	Score	.59
Exons	23..51		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100886	Strand	+
Start	884	End	5325
Name	OJ000204_27.0330.C5.o1.gs	Method	GENSCAN
Start	884	End	5325
GI	none	Score	.91
Exons	884..971, 1176..1249, 3175..5325		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100886	Strand	+
Start	884	End	5325
Name	OJ000204_27.0330.C5.o1.np	Method	AAT/NAP
Start	3166	End	5199
GI	7488456	Score	987
Exons	3166..5199		
GI Descrip.	hypothetical protein ARC1 - rape gi|2558938|gb|AAB97738.1| (AF024625) arm repeat containing protein [Brassica napus]		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100886	Strand	+
Start	884	End	5325
Name	OJ000204_27.0330.C5.o1.gp	Method	AAT/GAP
Start	4691	End	5148
GI	3768302	Score	884
Exons	4691..5148		
GI Descrip.	2558938 1.0e-25 (AF024625) arm repeat containing protein [Brassica napus]		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100887	Strand	-
Start	5294	End	5684
Name	OJ000204_27.0330.C5.o2.gp	Method	AAT/GAP

Start	5294	End	5684
GI	uC-osf1M202084a07a1	Score	782
Exons	5294..5684		
GI Descrip.	'2558938 1.0e-25 (AF024625) arm repeat containing protein [Brassica napus]'		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100888	Strand	-
Start	5900	End	6326
Name	OJ000204_27.0330.C5.o2.tm	Method	TBLASTX:Maize
Start	3634	End	3990
GI	none	Score	400
Exons	3634..3987, 3669..3983, 3703..3990		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100888	Strand	-
Start	5900	End	6326
Name	OJ000204_27.0330.C5.o2.tc	Method	TBLASTX:Cress
Start	3790	End	4206
GI	none	Score	75
Exons	3790..3873, 4011..4202, 4012..4206		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100888	Strand	-
Start	5900	End	6326
Name	OJ000204_27.0330.C5.o2.ts	Method	TBLASTX:Soybean
Start	3877	End	4245
GI	none	Score	298
Exons	3877..4227, 4008..4241, 4012..4245		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100888	Strand	-
Start	5900	End	6326
Name	OJ000204_27.0330.C5.o1.tw	Method	TBLASTX:Wheat
Start	4009	End	4272
GI	none	Score	251
Exons	4009..4272, 4029..4268		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100888	Strand	-
Start	5900	End	6326
Name	OJ000204_27.0330.C5.o4.tm	Method	TBLASTX:Maize
Start	4024	End	4299
GI	none	Score	258
Exons	4024..4299, 4029..4241		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100888	Strand	-
Start	5900	End	6326
Name	OJ000204_27.0330.C5.o1.tc	Method	TBLASTX:Cress
Start	4207	End	4848
GI	none	Score	51
Exons	4207..4257, 4261..4500, 4311..4469, 4551..4673, 4552..4701, 4561..4668, 4743..4847, 4749..4811, 4750..4848		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100888	Strand	-

Start	5900	End	6326
Name	OJ000204_27.0330.C5.o1.tm	Method	TBLASTX:Maize
Start	4400	End	5040
GI	none	Score	595
Exons	4400..4687, 4401..5003, 4401..5018, 4402..5016, 4843..5040		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100888	Strand	-
Start	5900	End	6326
Name	OJ000204_27.0330.C5.o2.tw	Method	TBLASTX:Wheat
Start	4401	End	4857
GI	none	Score	189
Exons	4401..4586, 4402..4629, 4693..4857		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100888	Strand	-
Start	5900	End	6326
Name	OJ000204_27.0330.C5.o1.ts	Method	TBLASTX:Soybean
Start	4416	End	5175
GI	none	Score	238
Exons	4416..4610, 4417..4644, 4453..4638, 4648..5175, 4705..5016, 4716..5165		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100888	Strand	-
Start	5900	End	6326
Name	OJ000204_27.0330.C5.o3.tm	Method	TBLASTX:Maize
Start	5041	End	5265
GI	none	Score	200
Exons	5041..5178, 5043..5174, 5064..5180, 5164..5265, 5175..5264		

Seq. No.	47424	Seq. ID	OJ000204_27.0330.C5
Gene No.	100888	Strand	-
Start	5900	End	6326
Name	OJ000204_27.0330.C5.o2.gs	Method	GENSCAN
Start	5900	End	6326
GI	none	Score	.62
Exons	5900..5962, 6131..6228, 6269..6326		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100889	Strand	+
Start	70	End	1443
Name	OJ000204_27.0330.C6.o1.gs	Method	GENSCAN
Start	70	End	1443
GI	none	Score	.55
Exons	70..143, 910..1117, 1294..1443		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100890	Strand	+
Start	1968	End	4433
Name	OJ000204_27.0330.C6.o1.np	Method	AAT/NAP
Start	1968	End	4433
GI	7340863	Score	1458
Exons	1968..2688, 2725..3189, 3325..4433		
GI Descrip.	(AP001551) Similar to Arabidopsis thaliana chromosome 4 BAC clone F10M6 ; S-receptor kinase -like protein. (AL021811) [Oryza sativa]		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100891	Strand	+
Start	5018	End	9889
Name	OJ000204_27.0330.C6.o2.np	Method	AAT/NAP
Start	5018	End	9889
GI	7486272	Score	1613
Exons	5018..5214, 6103..6201, 6297..6458, 6596..6646, 7066..7200, 7471..7582, 7906..8031, 8134..8183, 8469..8627, 8712..8807, 8881..8996, 9115..9238, 9323..9436, 9553..9889		
GI Descrip.	hypothetical protein F28A21.220 - Arabidopsis thaliana gi|4539400|emb|CAB37466.1| (AL035526) putative protein [Arabidopsis thaliana] gi|7268675|emb|CAB78883.1| (AL161549) putative protein [Arabidopsis thaliana]		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100891	Strand	+
Start	5018	End	9889
Name	OJ000204_27.0330.C6.o1.gp	Method	AAT/GAP
Start	6305	End	7529
GI	LIB3474-001-P1-K1-G12	Score	746
Exons	6305..6458, 6596..6646, 7066..7200, 7291..7314, 7471..7529		
GI Descrip.	'4539400/emb|CAB37466.1| 2.0e-35 (AL035526) putative protein [Arabidopsis thaliana]'		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100892	Strand	+
Start	14186	End	14304
Name	OJ000204_27.0330.C6.o2.gp	Method	AAT/GAP
Start	14186	End	14304
GI	1257_1.R1084	Score	212
Exons	14186..14304		
GI Descrip.	'1173327/sp|P43333|RU2A_ARATH 3.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A'' (U2 SNRNP-A'') >gi_322619_pir__S30580 U2 snRNP protein A'' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A'' [Arabidopsis thaliana]'		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100893	Strand	-
Start	10940	End	12469
Name	OJ000204_27.0330.C6.o1.tc	Method	TBLASTX:Cress
Start	2295	End	4382
GI	none	Score	50
Exons	2295..2339, 2448..2570, 3531..3620, 3581..3613, 3633..3830, 3635..3799, 3836..4078, 3837..4079, 4085..4144, 4086..4157, 4275..4382		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100893	Strand	-
Start	10940	End	12469
Name	OJ000204_27.0330.C6.o3.ts	Method	TBLASTX:Soybean
Start	2361	End	3008
GI	none	Score	207
Exons	2361..2549, 2943..3008		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6

Gene No.	100893	Strand	-
Start	10940	End	12469
Name	OJ000204_27.0330.C6.o5.tm	Method	TBLASTX:Maize
Start	2919	End	3359
GI	none	Score	128
Exons	2919..3017, 2927..3016, 3048..3107, 3195..3251, 3234..3359		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100893	Strand	-
Start	10940	End	12469
Name	OJ000204_27.0330.C6.o4.tm	Method	TBLASTX:Maize
Start	3519	End	3815
GI	none	Score	89
Exons	3519..3620, 3621..3815, 3671..3814		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100893	Strand	-
Start	10940	End	12469
Name	OJ000204_27.0330.C6.o1.ts	Method	TBLASTX:Soybean
Start	3576	End	4244
GI	none	Score	76
Exons	3576..3626, 3581..3619, 3666..4076, 3719..4072, 4086..4244, 4088..4144		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100893	Strand	-
Start	10940	End	12469
Name	OJ000204_27.0330.C6.o1.tw	Method	TBLASTX:Wheat
Start	3683	End	4088
GI	none	Score	301
Exons	3683..3805, 3684..4034, 3836..4003, 4038..4088		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100893	Strand	-
Start	10940	End	12469
Name	OJ000204_27.0330.C6.o2.tm	Method	TBLASTX:Maize
Start	3875	End	4406
GI	none	Score	458
Exons	3875..4144, 3876..4244, 4054..4179, 4263..4406, 4268..4366, 4278..4388		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100893	Strand	-
Start	10940	End	12469
Name	OJ000204_27.0330.C6.o3.tm	Method	TBLASTX:Maize
Start	5983	End	7317
GI	none	Score	43
Exons	5983..6012, 5985..6071, 5985..6017, 5995..6069, 6079..6204, 6080..6211, 6081..6200, 6109..6204, 6281..6460, 6291..6458, 6297..6464, 6579..6638, 6584..6649, 6585..6641, 6595..6651, 7062..7199, 7066..7200, 7068..7199, 7269..7313, 7282..7317		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100893	Strand	-
Start	10940	End	12469
Name	OJ000204_27.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	7470	End	9991

GI	none	Score	110
Exons	7470..7586, 7471..7584, 7899..8054, 7903..8025, 7904..8035, 7905..8072, 7906..8070, 8132..8194, 8133..8183, 8466..8630, 8466..8627, 8468..8629, 8706..8810, 8711..8809, 8874..9005, 8880..9002, 8881..9015, 9074..9253, 9106..9243, 9107..9244, 9168..9260, 9311..9436, 9315..9422, 9316..9432, 9383..9427, 9551..9613, 9552..9641, 9553..9639, 9743..9991, 9746..9913		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100893	Strand	-
Start	10940	End	12469
Name	OJ000204_27.0330.C6.o2.ts	Method	TBLASTX:Soybean
Start	8145	End	9399
GI	none	Score	62
Exons	8145..8183, 8457..8624, 8466..8630, 8468..8629, 8706..8810, 8850..9002, 8863..9003, 8866..9015, 9073..9171, 9074..9169, 9151..9195, 9152..9196, 9188..9238, 9320..9397, 9322..9399, 9322..9399		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100893	Strand	-
Start	10940	End	12469
Name	OJ000204_27.0330.C6.o2.tc	Method	TBLASTX:Cress
Start	9391	End	9892
GI	none	Score	75
Exons	9391..9435, 9392..9436, 9552..9641, 9553..9639, 9745..9870, 9746..9892		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100893	Strand	-
Start	10940	End	12469
Name	OJ000204_27.0330.C6.o4.ts	Method	TBLASTX:Soybean
Start	9607	End	9892
GI	none	Score	40
Exons	9607..9639, 9720..9833, 9743..9835, 9745..9864, 9746..9892		

Seq. No.	47425	Seq. ID	OJ000204_27.0330.C6
Gene No.	100893	Strand	-
Start	10940	End	12469
Name	OJ000204_27.0330.C6.o3.gs	Method	GENSCAN
Start	10940	End	12469
GI	none	Score	.73
Exons	10940..10995, 11125..11292, 11359..11411, 12423..12469		

Seq. No.	47426	Seq. ID	OJ000204_27.0330.C7
Gene No.	100894	Strand	-
Start	1	End	3363
Name	OJ000204_27.0330.C7.o1.gp	Method	AAT/GAP
Start	1	End	1017
GI	1257_1.R1084	Score	402
Exons	1..212, 966..1017		
GI Descrip.	'1173327/sp|P43333|RU2A_ARATH 3.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A'' (U2 SNRNP-A'') >gi_322619_pir__S30580 U2 snRNP protein A'' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A'' [Arabidopsis thaliana]'		

Seq. No.	47426	Seq. ID	OJ000204_27.0330.C7
Gene No.	100894	Strand	-
Start	1	End	3363
Name	OJ000204_27.0330.C7.o1.np	Method	AAT/NAP
Start	1	End	3151
GI	1173327	Score	676
Exons	1..212, 966..1171, 1261..1390, 2910..2950, 3070..3151		
GI Descrip.	U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A' (U2 SNRNP-A') gi|322619|pir||S30580 U2 snRNP protein A' - Arabidopsis thaliana gi|17669|emb|CAA48890| (X69137) U2 small nuclear ribonucleoprotein A' [Arabidopsis thaliana]		

Seq. No.	47426	Seq. ID	OJ000204_27.0330.C7
Gene No.	100894	Strand	-
Start	1	End	3363
Name	OJ000204_27.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	13	End	1134
GI	none	Score	113
Exons	13..114, 31..117, 39..116, 124..213, 127..153, 952..1134, 966..1115		

Seq. No.	47426	Seq. ID	OJ000204_27.0330.C7
Gene No.	100894	Strand	-
Start	1	End	3363
Name	OJ000204_27.0330.C7.o1.tc	Method	TBLASTX:Cress
Start	30	End	3163
GI	none	Score	64
Exons	30..125, 34..108, 943..1167, 972..1112, 1262..1390, 1305..1406, 2908..2973, 2910..2957, 3068..3163, 3069..3152		

Seq. No.	47426	Seq. ID	OJ000204_27.0330.C7
Gene No.	100894	Strand	-
Start	1	End	3363
Name	OJ000204_27.0330.C7.o1.gs	Method	GENSCAN
Start	39	End	3151
GI	none	Score	.99
Exons	39..212, 966..1171, 1261..1390, 2910..2950, 3070..3151		

Seq. No.	47426	Seq. ID	OJ000204_27.0330.C7
Gene No.	100894	Strand	-
Start	1	End	3363
Name	OJ000204_27.0330.C7.o2.gp	Method	AAT/GAP
Start	951	End	1354
GI	LIB3433-013-Q6-K1-D12	Score	475
Exons	951..1171, 1261..1354		
GI Descrip.	'1173327/sp|P43333|RU2A_ARATH 9.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A'' (U2 SNRNP-A'') >gi_322619_pir__S30580 U2 snRNP protein A'' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A'' [Arabidopsis thaliana]'		

Seq. No.	47426	Seq. ID	OJ000204_27.0330.C7
Gene No.	100894	Strand	-
Start	1	End	3363
Name	OJ000204_27.0330.C7.o3.gp	Method	AAT/GAP
Start	951	End	1345
GI	LIB3433-013-Q6-K1-D12	Score	457

Exons	951..1171, 1261..1345
GI Descrip.	'1173327/sp|P43333|RU2A_ARATH 9.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A'' (U2 SNRNP-A'') >gi_322619_pir__S30580 U2 snRNP protein A'' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A'' [Arabidopsis thaliana]'

Seq. No.	47426	Seq. ID	OJ000204_27.0330.C7
Gene No.	100894	Strand	-
Start	1	End	3363
Name	OJ000204_27.0330.C7.o1.ts	Method	TBLASTX:Soybean
Start	1071	End	3155
GI	none	Score	60
Exons	1071..1112, 1072..1122, 1132..1167, 1262..1390, 1311..1406, 2908..2973, 2910..2957, 3068..3151, 3069..3155		

Seq. No.	47426	Seq. ID	OJ000204_27.0330.C7
Gene No.	100894	Strand	-
Start	1	End	3363
Name	OJ000204_27.0330.C7.o2.tm	Method	TBLASTX:Maize
Start	1262	End	3091
GI	none	Score	169
Exons	1262..1390, 1263..1400, 1264..1392, 2910..2957, 3068..3091		

Seq. No.	47426	Seq. ID	OJ000204_27.0330.C7
Gene No.	100894	Strand	-
Start	1	End	3363
Name	OJ000204_27.0330.C7.o4.gp	Method	AAT/GAP
Start	2882	End	3363
GI	5005008	Score	608
Exons	2882..2950, 3070..3363		
GI Descrip.	1173327/sp|P43333|RU2A_ARATH 9.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A' (U2 SNRNP-A') >gi_322619_pir__S30580 U2 snRNP protein A' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A' [Arabidopsis thaliana]		

Seq. No.	47427	Seq. ID	OJ000204_27.0330.C9
Gene No.	100895	Strand	+
Start	196	End	3696
Name	OJ000204_27.0330.C9.o1.gs	Method	GENSCAN
Start	196	End	3588
GI	none	Score	.64
Exons	196..272, 2154..2262, 2327..2635, 3446..3588		

Seq. No.	47427	Seq. ID	OJ000204_27.0330.C9
Gene No.	100895	Strand	+
Start	196	End	3696
Name	OJ000204_27.0330.C9.o1.gp	Method	AAT/GAP
Start	1564	End	3696
GI	23174_1.R1084	Score	1434
Exons	1564..1694, 2154..2262, 2366..2635, 3446..3696		
GI Descrip.	'3249086 3.0e-63 (AC004473) Contains similarity to 21 KD subunit of the Arp2/3 protein complex (ARC21) gb_AF006086 from Homo sapiens. EST gb_Z37222 comes [Arabidopsis thaliana]'		

Seq. No.	47427	Seq. ID	OJ000204_27.0330.C9

Gene No.	100895	Strand	+
Start	196	End	3696
Name	OJ000204_27.0330.C9.o1.ts	Method	TBLASTX:Soybean
Start	2121	End	2600
GI	none	Score	171
Exons	2121..2261, 2153..2266, 2364..2600, 2365..2562, 2474..2590		

Seq. No.	47427	Seq. ID	OJ000204_27.0330.C9
Gene No.	100895	Strand	+
Start	196	End	3696
Name	OJ000204_27.0330.C9.o1.np	Method	AAT/NAP
Start	2132	End	3585
GI	7486931	Score	694
Exons	2132..2262, 2366..2635, 3400..3585		
GI Descrip.	hypothetical protein T13D8.30 - Arabidopsis thaliana gi|3249086|gb|AAC24070.1| (AC004473) Contains similarity to 21 KD subunit of the Arp2/3 protein complex (ARC21) gb|AF006086 from Homo sapiens. EST gb|Z37222 comes [Arabidopsis thaliana]		

Seq. No.	47427	Seq. ID	OJ000204_27.0330.C9
Gene No.	100895	Strand	+
Start	196	End	3696
Name	OJ000204_27.0330.C9.o1.tm	Method	TBLASTX:Maize
Start	2141	End	3515
GI	none	Score	162
Exons	2141..2257, 2142..2258, 2152..2268, 2154..2291, 2364..2633, 2365..2562, 2365..2634, 2376..2636, 2564..2635, 3435..3515, 3439..3513		

Seq. No.	47427	Seq. ID	OJ000204_27.0330.C9
Gene No.	100895	Strand	+
Start	196	End	3696
Name	OJ000204_27.0330.C9.o1.tc	Method	TBLASTX:Cress
Start	2153	End	2484
GI	none	Score	166
Exons	2153..2257, 2154..2261, 2364..2480, 2365..2484		

Seq. No.	47427	Seq. ID	OJ000204_27.0330.C9
Gene No.	100895	Strand	+
Start	196	End	3696
Name	OJ000204_27.0330.C9.o2.tc	Method	TBLASTX:Cress
Start	3435	End	3588
GI	none	Score	232
Exons	3435..3584, 3439..3588		

Seq. No.	47428	Seq. ID	OJ000204_27.0330.C11
Gene No.	100896	Strand	-
Start	961	End	1189
Name	OJ000204_27.0330.C11.o1.gs	Method	GENSCAN
Start	961	End	1189
GI	none	Score	.45
Exons	961..1091, 1183..1189		

Seq. No.	47429	Seq. ID	OJ000204_27.0330.C12
Gene No.	100897	Strand	+
Start	782	End	6858
Name	OJ000204_27.0330.C12.o1.gs	Method	GENSCAN

Start	782	End	6423
GI	none	Score	.69
Exons	782..830, 1043..1248, 3064..3525, 3809..3837, 4976..5083, 5574..5733, 5797..6423		

Seq. No.	47429	Seq. ID	OJ000204_27.0330.C12
Gene No.	100897	Strand	+
Start	782	End	6858
Name	OJ000204_27.0330.C12.o1.gp	Method	AAT/GAP
Start	5192	End	5577
GI	uC-osflcyp003g09b1	Score	696
Exons	5192..5577		
GI Descrip.	'100726/pir||S22377 8.0e-15 aspartate transaminase (EC 2.6.1.1) AAT1 precursor - proso millet >gi_20597_emb_CAA45022_ (X63428) aspartate aminotransferase [Panicum miliaceum]'		

Seq. No.	47429	Seq. ID	OJ000204_27.0330.C12
Gene No.	100897	Strand	+
Start	782	End	6858
Name	OJ000204_27.0330.C12.o1.np	Method	AAT/NAP
Start	6083	End	6858
GI	6630699	Score	97
Exons	6083..6306, 6770..6858		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47429	Seq. ID	OJ000204_27.0330.C12
Gene No.	100898	Strand	+
Start	10478	End	10923
Name	OJ000204_27.0330.C12.o3.np	Method	AAT/NAP
Start	10478	End	10923
GI	6539570	Score	125
Exons	10478..10681, 10857..10923		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	47429	Seq. ID	OJ000204_27.0330.C12
Gene No.	100899	Strand	-
Start	6726	End	10677
Name	OJ000204_27.0330.C12.o2.gs	Method	GENSCAN
Start	6726	End	10677
GI	none	Score	.48
Exons	6726..6852, 7777..7891, 8137..8266, 8298..8466, 8740..8862, 9953..9977, 10016..10208, 10261..10344, 10496..10677		

Seq. No.	47429	Seq. ID	OJ000204_27.0330.C12
Gene No.	100899	Strand	-
Start	6726	End	10677
Name	OJ000204_27.0330.C12.o2.np	Method	AAT/NAP
Start	6998	End	10212
GI	5922620	Score	593
Exons	6998..7128, 8497..8862, 9202..9235, 9953..9977, 10023..10133, 10174..10212		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	47430	Seq. ID	OJ000204_27.0330.C13
Gene No.	100900	Strand	-
Start	2408	End	2554
Name	OJ000204_27.0330.C13.o1.gs	Method	GENSCAN
Start	2408	End	2554
GI	none	Score	.41
Exons	2408..2554		

Seq. No.	47431	Seq. ID	OJ000204_27.0330.C14
Gene No.	100901	Strand	+
Start	2646	End	2959
Name	OJ000204_27.0330.C14.o1.gp	Method	AAT/GAP
Start	2646	End	2959
GI	72524_1.R1084	Score	388
Exons	2646..2959		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	47431	Seq. ID	OJ000204_27.0330.C14
Gene No.	100902	Strand	+
Start	2906	End	5998
Name	OJ000204_27.0330.C14.o1.np	Method	AAT/NAP
Start	2906	End	5998
GI	7106512	Score	2264
Exons	2906..2965, 3039..3206, 3452..4807, 5351..5998		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47431	Seq. ID	OJ000204_27.0330.C14
Gene No.	100902	Strand	+
Start	2906	End	5998
Name	OJ000204_27.0330.C14.o1.gs	Method	GENSCAN
Start	3373	End	5908
GI	none	Score	.56
Exons	3373..3497, 3788..4713, 5412..5908		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100903	Strand	+
Start	1	End	1976
Name	OJ000204_27.0330.C15.o1.np	Method	AAT/NAP
Start	1	End	1244
GI	7106512	Score	1648
Exons	1..843, 888..1244		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100903	Strand	+
Start	1	End	1976
Name	OJ000204_27.0330.C15.o1.gs	Method	GENSCAN
Start	29	End	1976
GI	none	Score	.65
Exons	29..625, 711..849, 874..1174, 1194..1305, 1429..1675, 1677..1805, 1870..1976		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100904	Strand	+
Start	3628	End	3809
Name	OJ000204_27.0330.C15.o2.np	Method	AAT/NAP
Start	3628	End	3809
GI	7106512	Score	122
Exons	3628..3687, 3761..3809		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100905	Strand	+
Start	6057	End	12762
Name	OJ000204_27.0330.C15.o2.gp	Method	AAT/GAP
Start	6027	End	6716
GI	799_1.R1084	Score	559
Exons	6027..6059, 6154..6261, 6350..6392, 6492..6716		
GI Descrip.	'1172816/sp|P42795|R111_ARATH 1.0e-84 60S RIBOSOMAL PROTEIN L11A (L16A) >gi_624938_emb_CAA57395_ (X81799) ribosomal protein L16 [Arabidopsis thaliana]'		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100905	Strand	+
Start	6057	End	12762
Name	OJ000204_27.0330.C15.o2.gs	Method	GENSCAN
Start	6057	End	6691
GI	none	Score	.98
Exons	6057..6137, 6154..6261, 6350..6392, 6492..6691		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100905	Strand	+
Start	6057	End	12762
Name	OJ000204_27.0330.C15.o3.np	Method	AAT/NAP
Start	6145	End	7978
GI	1172817	Score	486
Exons	6145..6261, 6350..6392, 6492..6698, 7938..7978		
GI Descrip.	60S RIBOSOMAL PROTEIN L11B (L16B) gi|550547|emb|CAA57396| (X81800) ribosomal protein L16 [Arabidopsis thaliana] gi|4539392|emb|CAB37458.1| (AL035526) ribosomal protein L11, cytosolic [Arabidopsis thaliana]		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100905	Strand	+
Start	6057	End	12762
Name	OJ000204_27.0330.C15.o5.np	Method	AAT/NAP
Start	6806	End	12762
GI	6598575	Score	78
Exons	6806..6857, 11954..12106, 12697..12762		
GI Descrip.	(AC006228) F5J5.1 [Arabidopsis thaliana]		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100906	Strand	-
Start	2773	End	11115
Name	OJ000204_27.0330.C15.o4.np	Method	AAT/NAP
Start	2773	End	9073
GI	5295971	Score	473
Exons	2773..2797, 8347..8574, 8653..9073		

GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100906	Strand	-
Start	2773	End	11115
Name	OJ000204_27.0330.C15.o1.gp	Method	AAT/GAP
Start	3367	End	3681
GI	72524_1.R1084	Score	406
Exons	3367..3681		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100906	Strand	-
Start	2773	End	11115
Name	OJ000204_27.0330.C15.o1.ts	Method	TBLASTX:Soybean
Start	6120	End	6697
GI	none	Score	169
Exons	6120..6257, 6154..6264, 6347..6397, 6349..6396, 6490..6696, 6494..6697		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100906	Strand	-
Start	2773	End	11115
Name	OJ000204_27.0330.C15.o1.tm	Method	TBLASTX:Maize
Start	6145	End	6697
GI	none	Score	125
Exons	6145..6264, 6174..6254, 6347..6397, 6349..6396, 6490..6570, 6494..6697, 6637..6696		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100906	Strand	-
Start	2773	End	11115
Name	OJ000204_27.0330.C15.o1.tw	Method	TBLASTX:Wheat
Start	6151	End	6697
GI	none	Score	163
Exons	6151..6264, 6159..6257, 6347..6397, 6349..6396, 6482..6691, 6490..6696, 6494..6697		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100906	Strand	-
Start	2773	End	11115
Name	OJ000204_27.0330.C15.o1.tc	Method	TBLASTX:Cress
Start	6153	End	6697
GI	none	Score	59
Exons	6153..6206, 6153..6257, 6154..6264, 6330..6395, 6332..6394, 6347..6397, 6481..6696, 6494..6697		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100906	Strand	-
Start	2773	End	11115
Name	OJ000204_27.0330.C15.o2.tm	Method	TBLASTX:Maize
Start	8345	End	8734
GI	none	Score	232
Exons	8345..8641, 8345..8584, 8452..8625, 8672..8734		

Seq. No.	47432	Seq. ID	OJ000204_27.0330.C15
Gene No.	100906	Strand	-
Start	2773	End	11115
Name	OJ000204_27.0330.C15.o3.gs	Method	GENSCAN
Start	8438	End	11115
GI	none	Score	.77
Exons	8438..9019, 9122..9235, 10449..10576, 11064..11115		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100907	Strand	+
Start	289	End	808
Name	OJ000204_27.0330.C16.o1.np	Method	AAT/NAP
Start	289	End	808
GI	7228450	Score	81
Exons	289..383, 513..641, 711..808		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100908	Strand	+
Start	3300	End	3495
Name	OJ000204_27.0330.C16.o2.np	Method	AAT/NAP
Start	3300	End	3495
GI	7340874	Score	320
Exons	3300..3495		
GI Descrip.	(AP001551) ESTs D15590(C0900),D48950(S15542),D22684(C0900) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana 60S ribosomal protein L11A (L16A). (P42795) [Oryza sativa]		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100909	Strand	+
Start	5705	End	9172
Name	OJ000204_27.0330.C16.o4.np	Method	AAT/NAP
Start	5705	End	9172
GI	7484602	Score	691
Exons	5705..5733, 6818..8276, 9137..9172		
GI Descrip.	probable reticuline oxidase (EC 1.5.3.9) - opium poppy gi|3282517|gb|AAC61839.1| (AF025430) berberine bridge enzyme [Papaver somniferum]		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100909	Strand	+
Start	5705	End	9172
Name	OJ000204_27.0330.C16.o2.gp	Method	AAT/GAP
Start	6542	End	7006
GI	uC-osroM202026a11b1	Score	859
Exons	6542..7006		
GI Descrip.	'5262222/emb|CAB45848.1| 2.0e-15 (AL080254) reticuline oxidase-like protein [Arabidopsis thaliana]'		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100909	Strand	+
Start	5705	End	9172
Name	OJ000204_27.0330.C16.o3.np	Method	AAT/NAP
Start	6605	End	8282
GI	7485805	Score	996

Exons	6605..6689, 6729..8282		
GI Descrip.	hypothetical protein F19I3.2 - Arabidopsis thaliana gi|3033375|gb|AAC12819.1| (AC004238) putative berberine bridge enzyme [Arabidopsis thaliana]		
Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100909	Strand	+
Start	5705	End	9172
Name	OJ000204_27.0330.C16.o3.gs	Method	GENSCAN
Start	6617	End	8318
GI	none	Score	.64
Exons	6617..7062, 7211..8318		
Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100910	Strand	+
Start	12759	End	14529
Name	OJ000204_27.0330.C16.o7.np	Method	AAT/NAP
Start	12759	End	14529
GI	7228450	Score	261
Exons	12759..12848, 13925..14035, 14175..14314, 14417..14529		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		
Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100911	Strand	+
Start	14554	End	15264
Name	OJ000204_27.0330.C16.o5.gs	Method	GENSCAN
Start	14554	End	15264
GI	none	Score	.97
Exons	14554..15264		
Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100912	Strand	-
Start	3271	End	3645
Name	OJ000204_27.0330.C16.o1.gp	Method	AAT/GAP
Start	3271	End	3645
GI	799_3.R1084	Score	615
Exons	3271..3645		
GI Descrip.	'6093997/sp|O22540|RL11_ORYSA 2.0e-16 60S RIBOSOMAL PROTEIN L11 >gi_2570507 (AF022736) ribosomal protein [Oryza sativa]'		
Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100913	Strand	-
Start	5358	End	6099
Name	OJ000204_27.0330.C16.o2.gs	Method	GENSCAN
Start	5358	End	6099
GI	none	Score	.69
Exons	5358..5734, 5805..6099		
Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o3.tc	Method	TBLASTX:Cress
Start	3297	End	3513
GI	none	Score	239
Exons	3297..3476, 3298..3513, 3316..3483		
Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16

Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o3.ts	Method	TBLASTX:Soybean
Start	3297	End	3486
GI	none	Score	91
Exons	3297..3335, 3298..3351, 3301..3483, 3381..3485, 3397..3486		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o3.tm	Method	TBLASTX:Maize
Start	3297	End	3483
GI	none	Score	234
Exons	3297..3335, 3298..3483, 3299..3481, 3316..3483		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o4.tw	Method	TBLASTX:Wheat
Start	3298	End	3489
GI	none	Score	214
Exons	3298..3489, 3300..3485, 3319..3486		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o2.tc	Method	TBLASTX:Cress
Start	6782	End	7322
GI	none	Score	148
Exons	6782..6964, 6973..7020, 7111..7137, 7164..7322, 7181..7243		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o2.ts	Method	TBLASTX:Soybean
Start	6782	End	7445
GI	none	Score	101
Exons	6782..6949, 6973..7011, 7111..7137, 7164..7445, 7181..7225		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o4.tm	Method	TBLASTX:Maize
Start	6785	End	7217
GI	none	Score	138
Exons	6785..6964, 6972..7013, 6973..7011, 7114..7137, 7164..7217		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o1.tm	Method	TBLASTX:Maize
Start	7467	End	8279
GI	none	Score	61
Exons	7467..7538, 7485..7544, 7605..7727, 7605..7721, 7764..8006, 8040..8135, 8057..8140, 8115..8279, 8150..8278		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16

Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o1.tc	Method	TBLASTX:Cress
Start	7572	End	8276
GI	none	Score	123
Exons	7572..7769, 7788..7997, 8034..8135, 8063..8134, 8144..8272, 8151..8276		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o1.ts	Method	TBLASTX:Soybean
Start	7665	End	8276
GI	none	Score	221
Exons	7665..7997, 8031..8276, 8040..8267, 8063..8269		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o3.tw	Method	TBLASTX:Wheat
Start	7767	End	8198
GI	none	Score	133
Exons	7767..7997, 8034..8135, 8034..8126, 8069..8146, 8115..8198, 8165..8194		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o5.np	Method	AAT/NAP
Start	9688	End	13099
GI	7228457	Score	2084
Exons	9688..10178, 11571..11660, 11722..13099		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o2.tm	Method	TBLASTX:Maize
Start	9774	End	10130
GI	none	Score	129
Exons	9774..10058, 9774..10130, 9784..10095		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o1.tw	Method	TBLASTX:Wheat
Start	9798	End	11651
GI	none	Score	309
Exons	9798..10184, 9799..10185, 11571..11651		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o6.np	Method	AAT/NAP
Start	11354	End	14491

GI	7106516	Score	145
Exons	11354..11383, 12131..12205, 13532..13703, 14462..14491		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	47433	Seq. ID	OJ000204_27.0330.C16
Gene No.	100914	Strand	-
Start	9688	End	14491
Name	OJ000204_27.0330.C16.o2.tw	Method	TBLASTX:Wheat
Start	11795	End	12290
GI	none	Score	129
Exons	11795..12289, 11841..12095, 12153..12290		

Seq. No.	47434	Seq. ID	OJ000204_27.0330.C17
Gene No.	100915	Strand	+
Start	2073	End	7280
Name	OJ000204_27.0330.C17.o1.gs	Method	GENSCAN
Start	2073	End	7263
GI	none	Score	.5
Exons	2073..2207, 3715..3859, 3909..4047, 4090..4206, 4256..4424, 5091..5333, 5464..5549, 6114..6320, 6519..6642, 6904..7008, 7091..7263		

Seq. No.	47434	Seq. ID	OJ000204_27.0330.C17
Gene No.	100915	Strand	+
Start	2073	End	7280
Name	OJ000204_27.0330.C17.o1.np	Method	AAT/NAP
Start	5142	End	7280
GI	2130067	Score	1193
Exons	5142..5333, 5464..5549, 6114..6320, 6537..6642, 6904..7008, 7091..7280		
GI Descrip.	aspartate transaminase (EC 2.6.1.1), mitochondrial - rice gi|2696240|dbj|BAA23815.1| (D67043) aspartate aminotransferase [Oryza sativa]		

Seq. No.	47434	Seq. ID	OJ000204_27.0330.C17
Gene No.	100915	Strand	+
Start	2073	End	7280
Name	OJ000204_27.0330.C17.o1.gp	Method	AAT/GAP
Start	5168	End	6192
GI	5005404	Score	508
Exons	5168..5333, 5464..5549, 6114..6192		
GI Descrip.	100726/pir||S22377 8.0e-15 aspartate transaminase (EC 2.6.1.1) AAT1 precursor - proso millet >gi_20597_emb_CAA45022_ (X63428) aspartate aminotransferase [Panicum miliaceum]		

Seq. No.	47434	Seq. ID	OJ000204_27.0330.C17
Gene No.	100915	Strand	+
Start	2073	End	7280
Name	OJ000204_27.0330.C17.o1.tm	Method	TBLASTX:Maize
Start	5231	End	7269
GI	none	Score	162
Exons	5231..5332, 5232..5333, 5464..5550, 5464..5550, 6109..6318, 6111..6320, 6528..6629, 6529..6642, 6532..6642, 6892..7011, 6902..7015, 6903..7010, 7088..7261, 7088..7261, 7089..7262, 7093..7269, 7093..7263		

Seq. No.	47434	Seq. ID	OJ000204_27.0330.C17

Gene No.	100915	Strand	+
Start	2073	End	7280
Name	OJ000204_27.0330.C17.o2.ts	Method	TBLASTX:Soybean
Start	5231	End	6321
GI	none	Score	133
Exons	5231..5332, 5232..5333, 5464..5487, 5488..5541, 6111..6320, 6115..6318, 6115..6321		

Seq. No.	47434	Seq. ID	OJ000204_27.0330.C17
Gene No.	100915	Strand	+
Start	2073	End	7280
Name	OJ000204_27.0330.C17.o1.tc	Method	TBLASTX:Cress
Start	5246	End	7263
GI	none	Score	138
Exons	5246..5332, 5247..5333, 5464..5550, 6111..6320, 6115..6318, 6115..6321, 6519..6635, 6520..6642, 6533..6637, 6898..7008, 6903..7007, 7083..7250, 7088..7249, 7094..7261, 7096..7263		

Seq. No.	47434	Seq. ID	OJ000204_27.0330.C17
Gene No.	100915	Strand	+
Start	2073	End	7280
Name	OJ000204_27.0330.C17.o1.ts	Method	TBLASTX:Soybean
Start	6535	End	7266
GI	none	Score	152
Exons	6535..6642, 6898..7011, 6903..7019, 6903..7010, 7088..7264, 7088..7234, 7093..7266		

Seq. No.	47435	Seq. ID	OJ000204_27.0330.C18
Gene No.	100916	Strand	+
Start	1	End	446
Name	OJ000204_27.0330.C18.o1.np	Method	AAT/NAP
Start	1	End	446
GI	100726	Score	325
Exons	1..248, 337..446		
GI Descrip.	aspartate transaminase (EC 2.6.1.1) AAT1 precursor - proso millet gi|20597|emb|CAA45022.1| (X63428) aspartate aminotransferase [Panicum miliaceum]		

Seq. No.	47435	Seq. ID	OJ000204_27.0330.C18
Gene No.	100916	Strand	+
Start	1	End	446
Name	OJ000204_27.0330.C18.o1.tc	Method	TBLASTX:Cress
Start	81	End	435
GI	none	Score	244
Exons	81..251, 83..241, 334..432, 340..435		

Seq. No.	47435	Seq. ID	OJ000204_27.0330.C18
Gene No.	100916	Strand	+
Start	1	End	446
Name	OJ000204_27.0330.C18.o1.tm	Method	TBLASTX:Maize
Start	81	End	435
GI	none	Score	273
Exons	81..248, 83..241, 88..249, 88..249, 334..435, 334..432		

Seq. No.	47435	Seq. ID	OJ000204_27.0330.C18
Gene No.	100916	Strand	+
Start	1	End	446

Name	OJ000204_27.0330.C18.o1.ts	Method	TBLASTX:Soybean
Start	83	End	435
GI	none	Score	236
Exons	83..241, 87..251, 97..249, 334..432, 340..435		

Seq.-No.	47435	Seq. ID	OJ000204_27.0330.C18
Gene No.	100916	Strand	+
Start	1	End	446
Name	OJ000204_27.0330.C18.o1.gs	Method	GENSCAN
Start	89	End	432
GI	none	Score	.9
Exons	89..248, 337..432		

Seq. No.	47435	Seq. ID	OJ000204_27.0330.C18
Gene No.	100916	Strand	+
Start	1	End	446
Name	OJ000204_27.0330.C18.o1.gp	Method	AAT/GAP
Start	113	End	432
GI	173_1.R1084	Score	425
Exons	113..248, 337..432		
GI Descrip.	'2696238/dbj|BAA23814.1| 5.0e-62 (D67042) aspartate aminotransferase [Oryza sativa]'		

Seq. No.	47436	Seq. ID	OJ000204_27.0330.C19
Gene No.	100917	Strand	-
Start	1	End	4664
Name	OJ000204_27.0330.C19.o1.np	Method	AAT/NAP
Start	1	End	4664
GI	7269953	Score	1085
Exons	1..120, 223..602, 859..1246, 1521..1581, 1781..1840, 2099..2242, 3480..3551, 3665..3797, 4577..4664		
GI Descrip.	(AL161577) receptor-like kinase homolog [Arabidopsis thaliana]		

Seq. No.	47436	Seq. ID	OJ000204_27.0330.C19
Gene No.	100917	Strand	-
Start	1	End	4664
Name	OJ000204_27.0330.C19.o2.tm	Method	TBLASTX:Maize
Start	1	End	274
GI	none	Score	72
Exons	1..120, 2..121, 3..80, 4..120, 220..273, 221..274		

Seq. No.	47436	Seq. ID	OJ000204_27.0330.C19
Gene No.	100917	Strand	-
Start	1	End	4664
Name	OJ000204_27.0330.C19.o1.tc	Method	TBLASTX:Cress
Start	4	End	556
GI	none	Score	173
Exons	4..120, 220..543, 220..555, 221..556		

Seq. No.	47436	Seq. ID	OJ000204_27.0330.C19
Gene No.	100917	Strand	-
Start	1	End	4664
Name	OJ000204_27.0330.C19.o1.ts	Method	TBLASTX:Soybean
Start	4	End	1171
GI	none	Score	255
Exons	4..117, 241..603, 260..451, 286..606, 855..1010, 857..1015, 1007..1171		

Seq. No.	47436	Seq. ID	OJ000204_27.0330.C19
Gene No.	100917	Strand	-
Start	1	End	4664
Name	OJ000204_27.0330.C19.o1.gs	Method	GENSCAN
Start	25	End	3995
GI	none	Score	.7
Exons	25..120, 223..614, 859..1194, 1287..1439, 1508..1581, 1781..1840, 1940..2011, 2099..2242, 3480..3551, 3665..3797, 3887..3995		

Seq. No.	47436	Seq. ID	OJ000204_27.0330.C19
Gene No.	100917	Strand	-
Start	1	End	4664
Name	OJ000204_27.0330.C19.o1.tw	Method	TBLASTX:Wheat
Start	265	End	591
GI	none	Score	314
Exons	265..591		

Seq. No.	47436	Seq. ID	OJ000204_27.0330.C19
Gene No.	100917	Strand	-
Start	1	End	4664
Name	OJ000204_27.0330.C19.o1.tm	Method	TBLASTX:Maize
Start	274	End	1332
GI	none	Score	211
Exons	274..600, 281..598, 343..603, 860..1009, 861..1010, 1007..1138, 1007..1171, 1270..1332		

Seq. No.	47436	Seq. ID	OJ000204_27.0330.C19
Gene No.	100917	Strand	-
Start	1	End	4664
Name	OJ000204_27.0330.C19.o2.tc	Method	TBLASTX:Cress
Start	556	End	1184
GI	none	Score	100
Exons	556..600, 860..1009, 867..1010, 929..1012, 1007..1171, 1101..1184		

Seq. No.	47436	Seq. ID	OJ000204_27.0330.C19
Gene No.	100917	Strand	-
Start	1	End	4664
Name	OJ000204_27.0330.C19.o2.ts	Method	TBLASTX:Soybean
Start	1783	End	3914
GI	none	Score	83
Exons	1783..1845, 1918..2007, 2098..2241, 2098..2223, 2123..2239, 3479..3541, 3664..3804, 3674..3805, 3888..3914		

Seq. No.	47436	Seq. ID	OJ000204_27.0330.C19
Gene No.	100917	Strand	-
Start	1	End	4664
Name	OJ000204_27.0330.C19.o3.tc	Method	TBLASTX:Cress
Start	2176	End	3923
GI	none	Score	52
Exons	2176..2241, 3479..3550, 3504..3548, 3664..3804, 3668..3802, 3882..3923		

Seq. No.	47437	Seq. ID	OJ000204_27.0330.C20
Gene No.	100918	Strand	-

Start	824	End	4702
Name	OJ000204_27.0330.C20.o1.tm	Method	TBLASTX:Maize
Start	385	End	3666
GI	none	Score	43
Exons	385..420, 389..418, 408..458, 438..554, 462..509, 504..530, 660..710, 661..711, 780..878, 783..881, 785..883, 955..1071, 965..1075, 972..1073, 974..1075, 1689..1808, 1708..1803, 1882..1980, 1886..1984, 1886..1981, 2071..2139, 2074..2133, 2075..2137, 2222..2362, 2226..2366, 2226..2387, 2227..2367, 2776..2838, 2778..2837, 2918..2980, 2925..3002, 2926..3006, 2926..3015, 3056..3370, 3088..3285, 3094..3372, 3098..3370, 3340..3372, 3438..3497, 3442..3501, 3446..3505, 3479..3532, 3594..3665, 3595..3666, 3596..3664		

Seq. No.	47437	Seq. ID	OJ000204_27.0330.C20
Gene No.	100918	Strand	-
Start	824	End	4702
Name	OJ000204_27.0330.C20.o1.ts	Method	TBLASTX:Soybean
Start	786	End	3715
GI	none	Score	79
Exons	786..869, 791..883, 968..1075, 975..1076, 1689..1808, 1705..1788, 1709..1804, 1882..1980, 1883..1981, 1883..1981, 1885..1983, 2074..2133, 2226..2366, 2226..2387, 2230..2367, 2701..2751, 2776..2838, 2778..2837, 2921..2965, 2925..3002, 2926..3003, 3094..3378, 3097..3285, 3107..3370, 3441..3506, 3446..3505, 3595..3678, 3598..3678, 3599..3715		

Seq. No.	47437	Seq. ID	OJ000204_27.0330.C20
Gene No.	100918	Strand	-
Start	824	End	4702
Name	OJ000204_27.0330.C20.o2.tw	Method	TBLASTX:Wheat
Start	797	End	1983
GI	none	Score	65
Exons	797..883, 807..881, 950..1075, 966..1073, 1689..1808, 1708..1788, 1709..1804, 1882..1980, 1883..1981, 1884..1982, 1885..1983		

Seq. No.	47437	Seq. ID	OJ000204_27.0330.C20
Gene No.	100918	Strand	-
Start	824	End	4702
Name	OJ000204_27.0330.C20.o1.np	Method	AAT/NAP
Start	812	End	4702
GI	7434281	Score	1556
Exons	812..880, 974..1075, 1707..1790, 1885..1980, 2080..2130, 2226..2366, 2781..2837, 2928..3002, 3097..3369, 3446..3505, 3595..3684, 4604..4702		
GI Descrip.	probable shaggy-like protein kinase etha (EC 2.7.1.-) - rice gi|2182029|emb|CAA73848.1| (Y13437) shaggy-like kinase etha (OSKetha) [Oryza sativa]		

Seq. No.	47437	Seq. ID	OJ000204_27.0330.C20
Gene No.	100918	Strand	-
Start	824	End	4702
Name	OJ000204_27.0330.C20.o1.gs	Method	GENSCAN
Start	824	End	3493
GI	none	Score	.81
Exons	824..880, 974..1141, 1707..1823, 1885..1980, 2080..2130,		

2226..2366, 2781..2837, 2928..3002, 3097..3369, 3446..3493

Seq. No.	47437	Seq. ID	OJ000204_27.0330.C20
Gene No.	100918	Strand	-
Start	824	End	4702
Name	OJ000204_27.0330.C20.o1.tc	Method	TBLASTX:Cress
Start	827	End	3679
GI	none	Score	131
Exons	827..883, 971..1075, 975..1076, 975..1076, 1613..1792, 1648..1797, 1689..1808, 1705..1788, 1710..1805, 1882..1980, 1883..1984, 1883..1981, 2074..2133, 2075..2155, 2079..2138, 2226..2366, 2226..2387, 2227..2367, 2228..2368, 2776..2838, 2778..2837, 2925..3002, 2926..3003, 2928..3005, 3094..3378, 3097..3285, 3110..3373, 3150..3374, 3420..3506, 3445..3507, 3446..3505, 3595..3678, 3602..3679		

Seq. No.	47437	Seq. ID	OJ000204_27.0330.C20
Gene No.	100918	Strand	-
Start	824	End	4702
Name	OJ000204_27.0330.C20.o1.tw	Method	TBLASTX:Wheat
Start	2973	End	3670
GI	none	Score	301
Exons	2973..3002, 3094..3378, 3110..3370, 3446..3505, 3450..3506, 3595..3666, 3596..3670		

Seq. No.	47438	Seq. ID	OJ000204_27.0330.C21
Gene No.	100919	Strand	+
Start	316	End	465
Name	OJ000204_27.0330.C21.o1.gs	Method	GENSCAN
Start	316	End	465
GI	none	Score	.97
Exons	316..465		

Seq. No.	47439	Seq. ID	OJ000204_27.0330.C24
Gene No.	100920	Strand	+
Start	1050	End	1199
Name	OJ000204_27.0330.C24.o1.gs	Method	GENSCAN
Start	1050	End	1199
GI	none	Score	.88
Exons	1050..1199		

Seq. No.	47439	Seq. ID	OJ000204_27.0330.C24
Gene No.	100921	Strand	-
Start	1747	End	1928
Name	OJ000204_27.0330.C24.o2.gs	Method	GENSCAN
Start	1747	End	1928
GI	none	Score	.84
Exons	1747..1861, 1870..1928		

Seq. No.	47440	Seq. ID	OJ000204_27.0330.C25
Gene No.	100922	Strand	+
Start	53	End	3068
Name	OJ000204_27.0330.C25.o1.gs	Method	GENSCAN
Start	53	End	3068
GI	none	Score	.48
Exons	53..197, 356..453, 531..777, 862..1098, 1801..1847, 2964..3068		

Seq. No.	47440	Seq. ID	OJ000204_27.0330.C25
Gene No.	100922	Strand	+
Start	53	End	3068
Name	OJ000204_27.0330.C25.o1.tm	Method	TBLASTX:Maize
Start	128	End	632
GI	none	Score	162
Exons	128..358, 361..450, 528..632		

Seq. No.	47441	Seq. ID	OJ000204_27.0330.C26
Gene No.	100923	Strand	+
Start	1	End	711
Name	OJ000204_27.0330.C26.o1.np	Method	AAT/NAP
Start	1	End	598
GI	7488706	Score	518
Exons	1..598		
GI Descrip.	probable transposase - soybean transposon mariner element Soymar1 gi|3386534|gb|AAC28384.1| (AF078934) mariner transposase [Glycine max]		

Seq. No.	47441	Seq. ID	OJ000204_27.0330.C26
Gene No.	100923	Strand	+
Start	1	End	711
Name	OJ000204_27.0330.C26.o1.gs	Method	GENSCAN
Start	59	End	711
GI	none	Score	.74
Exons	59..591, 693..711		

Seq. No.	47441	Seq. ID	OJ000204_27.0330.C26
Gene No.	100924	Strand	+
Start	1195	End	1276
Name	OJ000204_27.0330.C26.o1.tw	Method	TBLASTX:Wheat
Start	101	End	396
GI	none	Score	226
Exons	101..382, 107..229, 178..396		

Seq. No.	47441	Seq. ID	OJ000204_27.0330.C26
Gene No.	100924	Strand	+
Start	1195	End	1276
Name	OJ000204_27.0330.C26.o1.gp	Method	AAT/GAP
Start	1195	End	1276
GI	LIB3433-009-Q6-K1-F10	Score	83
Exons	1195..1276		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 9.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	47442	Seq. ID	OJ000204_27.0330.C27
Gene No.	100925	Strand	+
Start	154	End	516
Name	OJ000204_27.0330.C27.o1.gs	Method	GENSCAN
Start	154	End	516
GI	none	Score	.98
Exons	154..180, 412..516		

Seq. No.	47442	Seq. ID	OJ000204_27.0330.C27
Gene No.	100926	Strand	-
Start	1056	End	1114
Name	OJ000204_27.0330.C27.o2.gs	Method	GENSCAN

Start	1056	End	1114
GI	none	Score	.89
Exons	1056..1114		

Seq. No.	47443	Seq. ID	OJ000204_27.0330.C29
Gene No.	100927	Strand	-
Start	37	End	968
Name	OJ000204_27.0330.C29.o1.np	Method	AAT/NAP
Start	37	End	968
GI	479356	Score	1004
Exons	37..968		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		

Seq. No.	47443	Seq. ID	OJ000204_27.0330.C29
Gene No.	100927	Strand	-
Start	37	End	968
Name	OJ000204_27.0330.C29.o1.gs	Method	GENSCAN
Start	86	End	955
GI	none	Score	.9
Exons	86..955		

Seq. No.	47443	Seq. ID	OJ000204_27.0330.C29
Gene No.	100927	Strand	-
Start	37	End	968
Name	OJ000204_27.0330.C29.o1.tc	Method	TBLASTX:Cress
Start	95	End	923
GI	none	Score	88
Exons	95..199, 255..416, 299..424, 428..640, 528..620, 647..826, 708..827, 801..923		

Seq. No.	47443	Seq. ID	OJ000204_27.0330.C29
Gene No.	100927	Strand	-
Start	37	End	968
Name	OJ000204_27.0330.C29.o1.ts	Method	TBLASTX:Soybean
Start	290	End	884
GI	none	Score	60
Exons	290..796, 306..410, 797..883, 810..884		

Seq. No.	47443	Seq. ID	OJ000204_27.0330.C29
Gene No.	100927	Strand	-
Start	37	End	968
Name	OJ000204_27.0330.C29.o1.tw	Method	TBLASTX:Wheat
Start	353	End	773
GI	none	Score	197
Exons	353..634, 354..623, 644..772, 645..773		

Seq. No.	47443	Seq. ID	OJ000204_27.0330.C29
Gene No.	100927	Strand	-
Start	37	End	968
Name	OJ000204_27.0330.C29.o1.tm	Method	TBLASTX:Maize
Start	374	End	935
GI	none	Score	44
Exons	374..631, 549..632, 629..826, 654..827, 842..934, 849..935		

Seq. No.	47444	Seq. ID	OJ000204_27.0330.C30
Gene No.	100928	Strand	-
Start	1	End	570

Name	OJ000204_27.0330.C30.o1.np	Method	AAT/NAP
Start	1	End	570
GI	479356	Score	259
Exons	1..570		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		

Seq. No.	47445	Seq. ID	OJ000204_27.0330.C31
Gene No.	100929	Strand	+
Start	528	End	653
Name	OJ000204_27.0330.C31.o1.gs	Method	GENSCAN
Start	528	End	653
GI	none	Score	.73
Exons	528..653		

Seq. No.	47445	Seq. ID	OJ000204_27.0330.C31
Gene No.	100930	Strand	-
Start	64	End	212
Name	OJ000204_27.0330.C31.o1.gp	Method	AAT/GAP
Start	64	End	212
GI	uC-osflcyp177g01a1	Score	241
Exons	64..212		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	47446	Seq. ID	OJ000204_27.0330.C34
Gene No.	100931	Strand	+
Start	535	End	803
Name	OJ000204_27.0330.C34.o1.gs	Method	GENSCAN
Start	535	End	803
GI	none	Score	.59
Exons	535..631, 784..803		

Seq. No.	47446	Seq. ID	OJ000204_27.0330.C34
Gene No.	100932	Strand	-
Start	1535	End	1861
Name	OJ000204_27.0330.C34.o2.gs	Method	GENSCAN
Start	1535	End	1861
GI	none	Score	.94
Exons	1535..1861		

Seq. No.	47447	Seq. ID	OJ000204_27.0330.C35
Gene No.	100933	Strand	+
Start	516	End	1433
Name	OJ000204_27.0330.C35.o1.gs	Method	GENSCAN
Start	516	End	1418
GI	none	Score	.72
Exons	516..724, 1212..1418		

Seq. No.	47447	Seq. ID	OJ000204_27.0330.C35
Gene No.	100933	Strand	+
Start	516	End	1433
Name	OJ000204_27.0330.C35.o1.np	Method	AAT/NAP
Start	1216	End	1433
GI	5902444	Score	333
Exons	1216..1433		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	47448	Seq. ID	OJ000204_27.0330.C42
Gene No.	100934	Strand	-
Start	99	End	1127
Name	OJ000204_27.0330.C42.o1.gs	Method	GENSCAN
Start	99	End	1127
GI	none	Score	.91
Exons	99..501, 979..1127		

Seq. No.	47449	Seq. ID	OJ000204_27.0330.C44
Gene No.	100935	Strand	+
Start	30	End	479
Name	OJ000204_27.0330.C44.o1.gs	Method	GENSCAN
Start	30	End	479
GI	none	Score	.82
Exons	30..189, 433..479		

Seq. No.	47450	Seq. ID	OJ000204_27.0330.C47
Gene No.	100936	Strand	+
Start	345	End	6579
Name	OJ000204_27.0330.C47.o2.np	Method	AAT/NAP
Start	345	End	4978
GI	6721556	Score	172
Exons	345..502, 1020..1188, 4569..4978		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815081|dbj|BAA90367.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47450	Seq. ID	OJ000204_27.0330.C47
Gene No.	100936	Strand	+
Start	345	End	6579
Name	OJ000204_27.0330.C47.o1.gs	Method	GENSCAN
Start	517	End	6579
GI	none	Score	.6
Exons	517..642, 984..1188, 1311..1575, 2181..2917, 3247..3333, 3888..4003, 4356..4464, 4627..4789, 5194..5351, 5611..5933, 6076..6159, 6232..6579		

Seq. No.	47450	Seq. ID	OJ000204_27.0330.C47
Gene No.	100937	Strand	-
Start	1	End	2126
Name	OJ000204_27.0330.C47.o1.np	Method	AAT/NAP
Start	1	End	2126
GI	7489684	Score	132
Exons	1..45, 294..611, 2033..2126		
GI Descrip.	probable low-affinity cation transport protein - wheat gi|2460044|gb|AAB71851.1| (AF015523) low-affinity cation transporter [Triticum aestivum]		

Seq. No.	47451	Seq. ID	OJ000204_27.0330.C48
Gene No.	100938	Strand	+
Start	73	End	476
Name	OJ000204_27.0330.C48.o1.gs	Method	GENSCAN
Start	73	End	476
GI	none	Score	.62
Exons	73..216, 346..476		

Seq. No.	47452	Seq. ID	OJ000204_27.0330.C50

Gene No.	100939	Strand	+
Start	233	End	764
Name	OJ000204_27.0330.C50.o1.gs	Method	GENSCAN
Start	233	End	764
GI	none	Score	.82
Exons	233..558, 654..764		

Seq. No.	47453	Seq. ID	OJ000204_27.0330.C52
Gene No.	100940	Strand	+
Start	159	End	282
Name	OJ000204_27.0330.C52.o1.gs	Method	GENSCAN
Start	159	End	282
GI	none	Score	.72
Exons	159..282		

Seq. No.	47454	Seq. ID	OJ000204_27.0330.C53
Gene No.	100941	Strand	-
Start	54	End	954
Name	OJ000204_27.0330.C53.o1.gs	Method	GENSCAN
Start	54	End	954
GI	none	Score	.41
Exons	54..954		

Seq. No.	47454	Seq. ID	OJ000204_27.0330.C53
Gene No.	100941	Strand	-
Start	54	End	954
Name	OJ000204_27.0330.C53.o1.tm	Method	TBLASTX:Maize
Start	91	End	445
GI	none	Score	100
Exons	91..333, 97..282, 98..403, 123..419, 370..444, 392..445		

Seq. No.	47454	Seq. ID	OJ000204_27.0330.C53
Gene No.	100941	Strand	-
Start	54	End	954
Name	OJ000204_27.0330.C53.o1.ts	Method	TBLASTX:Soybean
Start	97	End	355
GI	none	Score	124
Exons	97..282, 98..355		

Seq. No.	47455	Seq. ID	OJ000204_27.0330.C56
Gene No.	100942	Strand	-
Start	1	End	293
Name	OJ000204_27.0330.C56.o1.np	Method	AAT/NAP
Start	1	End	293
GI	7340868	Score	133
Exons	1..64, 105..293		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	47455	Seq. ID	OJ000204_27.0330.C56
Gene No.	100942	Strand	-
Start	1	End	293
Name	OJ000204_27.0330.C56.o1.gs	Method	GENSCAN
Start	41	End	185
GI	none	Score	.67
Exons	41..185		

Seq. No.	47456	Seq. ID	OJ000204_27.0330.C57

Gene No.	100943	Strand	+
Start	1	End	717
Name	OJ000204_27.0330.C57.o1.np	Method	AAT/NAP
Start	1	End	717
GI	7106516	Score	174
Exons	1..153, 687..717		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	47456	Seq. ID	OJ000204_27.0330.C57
Gene No.	100944	Strand	-
Start	268	End	586
Name	OJ000204_27.0330.C57.o1.gs	Method	GENSCAN
Start	268	End	586
GI	none	Score	.77
Exons	268..586		

Seq. No.	47457	Seq. ID	OJ000204_27.0330.C59
Gene No.	100945	Strand	-
Start	503	End	628
Name	OJ000204_27.0330.C59.o1.gs	Method	GENSCAN
Start	503	End	628
GI	none	Score	.81
Exons	503..628		

Seq. No.	47458	Seq. ID	OJ000204_27.0330.C60
Gene No.	100946	Strand	-
Start	212	End	683
Name	OJ000204_27.0330.C60.o1.tm	Method	TBLASTX:Maize
Start	3	End	683
GI	none	Score	66
Exons	3..95, 4..96, 6..125, 10..96, 10..126, 19..87, 28..126, 59..97, 63..122, 114..242, 121..237, 129..248, 136..234, 144..248, 148..234, 152..265, 152..241, 158..250, 163..258, 164..277, 166..249, 166..234, 167..274, 167..250, 167..274, 266..391, 273..395, 277..402, 287..406, 288..407, 290..412, 296..412, 299..403, 299..412, 300..443, 305..406, 379..453, 411..464, 441..482, 441..494, 462..611, 464..511, 501..683, 504..641, 506..613, 513..608, 513..605, 516..620		

Seq. No.	47458	Seq. ID	OJ000204_27.0330.C60
Gene No.	100946	Strand	-
Start	212	End	683
Name	OJ000204_27.0330.C60.o1.gs	Method	GENSCAN
Start	212	End	239
GI	none	Score	.6
Exons	212..239		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100947	Strand	+
Start	8914	End	15898
Name	OJ000214_21.0330.C3.o4.gp	Method	AAT/GAP
Start	8555	End	11914
GI	700823	Score	643
Exons	8555..8674, 11520..11696, 11831..11914		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100947	Strand	+

Start	8914	End	15898
Name	OJ000214_21.0330.C3.o2.gs	Method	GENSCAN
Start	8914	End	15898
GI	none	Score	.75
Exons	8914..9126, 9322..9458, 9535..9646, 11520..11696, 11831..11947, 12535..12637, 12767..12814, 13477..13574, 13671..13785, 14715..14744, 15164..15246, 15329..15898		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100947	Strand	+
Start	8914	End	15898
Name	OJ000214_21.0330.C3.o3.np	Method	AAT/NAP
Start	8943	End	9628
GI	7469146	Score	119
Exons	8943..9203, 9336..9455, 9535..9628		
GI Descrip.	conserved hypothetical protein - Rhodobacter capsulatus gi|3128304|gb|AAC16156.1| (AF010496) hypothetical protein [Rhodobacter capsulatus]		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100947	Strand	+
Start	8914	End	15898
Name	OJ000214_21.0330.C3.o4.np	Method	AAT/NAP
Start	11858	End	15895
GI	5430774	Score	494
Exons	11858..11947, 12535..12637, 13477..13574, 15329..15895		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100948	Strand	+
Start	16092	End	16369
Name	OJ000214_21.0330.C3.o5.gp	Method	AAT/GAP
Start	16092	End	16369
GI	5851098	Score	479
Exons	16092..16369		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100949	Strand	+
Start	17199	End	20390
Name	OJ000214_21.0330.C3.o3.gs	Method	GENSCAN
Start	17199	End	19884
GI	none	Score	.54
Exons	17199..17265, 18577..18984, 19206..19421, 19508..19884		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100949	Strand	+
Start	17199	End	20390
Name	OJ000214_21.0330.C3.o6.np	Method	AAT/NAP
Start	19513	End	20390
GI	6691193	Score	640
Exons	19513..20390		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100950	Strand	-
Start	1	End	3295
Name	OJ000214_21.0330.C3.o1.gp	Method	AAT/GAP

Start	1	End	343
GI	none	Score	670
Exons	1..343		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100950	Strand	-
Start	1	End	3295
Name	OJ000214_21.0330.C3.o1.np	Method	AAT/NAP
Start	217	End	2924
GI	4220455	Score	577
Exons	217..538, 611..1042, 1269..2019, 2727..2924		
GI Descrip.	(AC006216) Identical to gene gb|D88746 AR791 from Arabidopsis thaliana. [Arabidopsis thaliana]		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100950	Strand	-
Start	1	End	3295
Name	OJ000214_21.0330.C3.o2:gp	Method	AAT/GAP
Start	913	End	1523
GI	LIB3477-010-P1-K1-F8	Score	669
Exons	913..1052, 1282..1523		
GI Descrip.	'1669599/dbj|BAA13687| 2.0e-13 (D88746) AR791 [Arabidopsis thaliana]'		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100950	Strand	-
Start	1	End	3295
Name	OJ000214_21.0330.C3.o3.gp	Method	AAT/GAP
Start	2790	End	3295
GI	43649_2.R1084	Score	767
Exons	2790..3053, 3157..3295		
GI Descrip.	'3688173/emb|CAA21201| 2.0e-13 (AL031804) putative protein [Arabidopsis thaliana]'		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100951	Strand	-
Start	5013	End	5537
Name	OJ000214_21.0330.C3.o2.np	Method	AAT/NAP
Start	5013	End	5537
GI	7523502	Score	205
Exons	5013..5142, 5444..5537		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100952	Strand	-
Start	16726	End	17463
Name	OJ000214_21.0330.C3.o5.np	Method	AAT/NAP
Start	16726	End	17463
GI	82638	Score	91
Exons	16726..16936, 17232..17463		
GI Descrip.	hypothetical 16K protein (nad5 intron) - wheat mitochondrion		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o1.tm	Method	TBLASTX:Maize
Start	28	End	1454

GI	none	Score	36
Exons	28..48, 100..123, 129..170, 149..181, 223..285, 227..295, 306..446, 347..451, 448..678, 448..630, 500..748, 500..673, 656..928, 685..744, 727..927, 739..942, 841..969, 928..1053, 930..1058, 933..1055, 1278..1454, 1279..1395		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o3.tc	Method	TBLASTX:Cress
Start	614	End	1959
GI	none	Score	105
Exons	614..694, 796..927, 803..928, 930..1040, 1326..1406, 1465..1875, 1918..1959		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o4.ts	Method	TBLASTX:Soybean
Start	796	End	1064
GI	none	Score	99
Exons	796..927, 803..913, 925..969, 930..1064		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o1.tw	Method	TBLASTX:Wheat
Start	1315	End	1775
GI	none	Score	92
Exons	1315..1374, 1317..1469, 1318..1395, 1462..1773, 1463..1774, 1464..1775		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o5.tm	Method	TBLASTX:Maize
Start	1562	End	1827
GI	none	Score	209
Exons	1562..1813, 1563..1814, 1573..1827		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o7.tm	Method	TBLASTX:Maize
Start	11852	End	12813
GI	none	Score	148
Exons	11852..11956, 11853..11948, 11863..11955, 11867..11956, 12519..12638, 12534..12647, 12535..12639, 12535..12654, 12762..12812, 12763..12813		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o6.tm	Method	TBLASTX:Maize
Start	15736	End	16062
GI	none	Score	188
Exons	15736..15885, 15737..15886, 15803..15886, 16003..16062,		

16008..16061

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o2.tw	Method	TBLASTX:Wheat
Start	19771	End	20135
GI	none	Score	69
Exons	19771..19854, 19840..19944, 19843..19950, 19971..20135, 19972..20112		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o6.gp	Method	AAT/GAP
Start	20705	End	21336
GI	2798991	Score	876
Exons	20705..21151, 21270..21336		
GI Descrip.	3402815/emb|AJ007829|CVE7829 1.0e-20 Cloning Vector pGreen		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o7.np	Method	AAT/NAP
Start	20709	End	27318
GI	7486214	Score	2244
Exons	20709..20767, 21989..22231, 22339..22495, 22601..22881, 22968..23156, 23738..23972, 24138..24265, 24356..24626, 25079..25187, 25387..25480, 25847..26159, 26267..26476, 27279..27318		
GI Descrip.	hypothetical protein F26P21.40 - Arabidopsis thaliana gi|3688173|emb|CAA21201.1| (AL031804) putative protein [Arabidopsis thaliana] gi|7270239|emb|CAB80009.1| (AL161582) putative protein [Arabidopsis thaliana]		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o4.gs	Method	GENSCAN
Start	20925	End	26476
GI	none	Score	.66
Exons	20925..21060, 21270..21352, 21989..22159, 22339..22519, 22601..22881, 22968..23156, 23738..23997, 24118..24265, 25387..25480, 25847..26159, 26267..26476		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o3.tm	Method	TBLASTX:Maize
Start	20934	End	22524
GI	none	Score	55
Exons	20934..21011, 20937..20975, 20941..20976, 20957..21142, 21000..21170, 21008..21175, 21013..21174, 21272..21352, 21273..21350, 21980..22120, 21986..22234, 21987..22232, 21988..22233, 22286..22513, 22324..22524, 22339..22515		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3

Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o3.ts	Method	TBLASTX:Soybean
Start	21008	End	22127
GI	none	Score	114
Exons	21008..21157, 21013..21153, 21275..21316, 21285..21317, 21308..21352, 21941..22093, 21958..22089, 21966..22127		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o5.ts	Method	TBLASTX:Soybean
Start	22154	End	22479
GI	none	Score	98
Exons	22154..22234, 22155..22232, 22313..22462, 22339..22479, 22339..22479		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o7.gp	Method	AAT/GAP
Start	22165	End	22555
GI	2427656	Score	467
Exons	22165..22231, 22339..22555		
GI Descrip.	3688173/emb|CAA21201| 2.0e-13 (AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o1.tc	Method	TBLASTX:Cress
Start	22660	End	23095
GI	none	Score	160
Exons	22660..22863, 22661..22852, 22666..22863, 22953..23093, 22954..23061, 22959..23093, 22979..23095		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o1.ts	Method	TBLASTX:Soybean
Start	22663	End	23965
GI	none	Score	167
Exons	22663..22896, 22673..22879, 22968..23159, 22968..23156, 22996..23157, 23729..23812, 23732..23815, 23736..23963, 23737..23919, 23867..23965, 23867..23965		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o2.tm	Method	TBLASTX:Maize
Start	22684	End	23899
GI	none	Score	277
Exons	22684..22884, 22685..22885, 22691..22879, 22965..23159, 22968..23156, 23724..23792, 23725..23889, 23728..23898, 23736..23894, 23873..23899		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3

Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o8.gp	Method	AAT/GAP
Start	22717	End	23192
GI	uC-osf1cyp161e08b1	Score	632
Exons	22717..22881, 22968..23192		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o4.tc	Method	TBLASTX:Cress
Start	23097	End	23873
GI	none	Score	192
Exons	23097..23156, 23729..23812, 23736..23873		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o2.tc	Method	TBLASTX:Cress
Start	23924	End	24574
GI	none	Score	40
Exons	23924..23971, 24117..24164, 24134..24163, 24158..24265, 24159..24266, 24166..24267, 24347..24466, 24348..24479, 24354..24572, 24502..24573, 24533..24574		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o4.tm	Method	TBLASTX:Maize
Start	24117	End	26043
GI	none	Score	199
Exons	24117..24266, 24128..24268, 24128..24265, 24166..24267, 24347..24466, 24348..24479, 24354..24617, 24355..24618, 25077..25184, 25078..25188, 25078..25188, 25079..25201, 25383..25448, 25385..25480, 25387..25491, 25846..25929, 25848..26042, 25849..26043, 25985..26032		

Seq. No.	47459	Seq. ID	OJ000214_21.0330.C3
Gene No.	100953	Strand	-
Start	20925	End	27318
Name	OJ000214_21.0330.C3.o2.ts	Method	TBLASTX:Soybean
Start	24168	End	24466
GI	none	Score	98
Exons	24168..24260, 24173..24265, 24174..24260, 24347..24466, 24348..24386		

Seq. No.	47460	Seq. ID	OJ000214_21.0330.C4
Gene No.	100954	Strand	-
Start	1	End	1806
Name	OJ000214_21.0330.C4.o1.np	Method	AAT/NAP
Start	1	End	1806
GI	7486214	Score	488
Exons	1..66, 597..724, 815..943, 1047..1166, 1585..1806		
GI Descrip.	hypothetical protein F26P21.40 - Arabidopsis thaliana gi|3688173|emb|CAA21201.1| (AL031804) putative protein		

[Arabidopsis thaliana] gi|7270239|emb|CAB80009.1| (AL161582) putative protein [Arabidopsis thaliana]

Seq. No.	47460	Seq. ID	OJ000214_21.0330.C4
Gene No.	100954	Strand	-
Start	1	End	1806
Name	OJ000214_21.0330.C4.o1.gs	Method	GENSCAN
Start	413	End	1166
GI	none	Score	.78
Exons	413..478, 599..724, 815..943, 1047..1166		

Seq. No.	47460	Seq. ID	OJ000214_21.0330.C4
Gene No.	100954	Strand	-
Start	1	End	1806
Name	OJ000214_21.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	592	End	971
GI	none	Score	100
Exons	592..741, 596..727, 597..740, 812..952, 813..971, 814..954, 815..970		

Seq. No.	47460	Seq. ID	OJ000214_21.0330.C4
Gene No.	100954	Strand	-
Start	1	End	1806
Name	OJ000214_21.0330.C4.o2.tm	Method	TBLASTX:Maize
Start	1068	End	1805
GI	none	Score	98
Exons	1068..1184, 1069..1161, 1079..1171, 1576..1758, 1577..1678, 1585..1755, 1710..1805, 1750..1794		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100955	Strand	+
Start	1839	End	9177
Name	OJ000214_21.0330.C6.o1.gs	Method	GENSCAN
Start	1839	End	9177
GI	none	Score	.51
Exons	1839..1925, 3916..4021, 4251..4339, 4712..4830, 5809..5932, 6411..6680, 7551..7660, 7736..7904, 9001..9177		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100955	Strand	+
Start	1839	End	9177
Name	OJ000214_21.0330.C6.o3.np	Method	AAT/NAP
Start	6527	End	7785
GI	5922620	Score	234
Exons	6527..6561, 6946..7276, 7323..7514, 7551..7785		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100956	Strand	+
Start	22920	End	27779
Name	OJ000214_21.0330.C6.o4.gs	Method	GENSCAN
Start	22920	End	27779
GI	none	Score	.65

Exons	22920..22970, 23164..23293, 23444..23552, 27575..27779		
Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100957	Strand	+
Start	31174	End	34504
Name	OJ000214_21.0330.C6.o3.gp	Method	AAT/GAP
Start	31032	End	32882
GI	33542_1.R1084	Score	1500
Exons	31032..31261, 31618..31813, 32151..32302, 32409..32514, 32641..32706, 32803..32882		
GI Descrip.	'2695941/emb|CAA10989| 2.0e-20 (AJ222784) ribosomal like-protein [Hordeum vulgare]'		
Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100957	Strand	+
Start	31174	End	34504
Name	OJ000214_21.0330.C6.o4.np	Method	AAT/NAP
Start	31112	End	34501
GI	1346485	Score	2141
Exons	31112..31261, 31618..31813, 32151..32302, 32409..32514, 32641..32706, 32803..32898, 33011..33082, 33188..33271, 33390..33536, 33646..33888, 33979..34056, 34121..34501		
GI Descrip.	NADP-DEPENDENT MALIC ENZYME (NADP-ME) gi|20469|emb|CAA39690| (X56233) malic enzyme [Populus balsamifera subsp. trichocarpa]		
Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100957	Strand	+
Start	31174	End	34504
Name	OJ000214_21.0330.C6.o6.gs	Method	GENSCAN
Start	31174	End	34504
GI	none	Score	.93
Exons	31174..31199, 31618..31813, 32151..32302, 32409..32514, 32641..32706, 32803..32898, 33011..33082, 33188..33271, 33390..33536, 33646..33888, 34121..34504		
Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100957	Strand	+
Start	31174	End	34504
Name	OJ000214_21.0330.C6.o4.gp	Method	AAT/GAP
Start	33174	End	34197
GI	64785_1.R1084	Score	1106
Exons	33174..33271, 33390..33536, 33646..33888, 33979..34056, 34121..34197		
GI Descrip.	'1170871/sp|P43279|MAOC_ORYSA 2.0e-82 MALATE OXIDOREDUCTASE, CHLOROPLAST PRECURSOR (MALIC ENZYME) (ME) (NADP-DEPENDENT MALIC ENZYME) (NADP-ME) >gi_1076749_pir__S46499 NADP-dependent malic enzyme - rice >gi_415315_dbj_BAA03949_ (D16499) NADP-dependent malic enzyme [Oryza sativa]'		
Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100958	Strand	+
Start	35106	End	35791
Name	OJ000214_21.0330.C6.o7.gs	Method	GENSCAN
Start	35106	End	35791
GI	none	Score	.84
Exons	35106..35218, 35419..35791		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100959	Strand	-
Start	5835	End	6261
Name	OJ000214_21.0330.C6.o1.np	Method	AAT/NAP
Start	5835	End	6261
GI	6539570	Score	110
Exons	5835..5889, 6058..6261		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100960	Strand	-
Start	6388	End	7732
Name	OJ000214_21.0330.C6.o2.np	Method	AAT/NAP
Start	6388	End	7732
GI	6630699	Score	69
Exons	6388..6471, 7692..7732		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100961	Strand	-
Start	10522	End	15019
Name	OJ000214_21.0330.C6.o2.gs	Method	GENSCAN
Start	10522	End	15019
GI	none	Score	.63
Exons	10522..10578, 10894..11063, 11501..11663, 14981..15019		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100962	Strand	-
Start	18270	End	21403
Name	OJ000214_21.0330.C6.o3.gs	Method	GENSCAN
Start	18270	End	21403
GI	none	Score	.59
Exons	18270..18800, 18884..18927, 19539..19742, 21233..21293, 21323..21403		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100963	Strand	-
Start	26580	End	26642
Name	OJ000214_21.0330.C6.o2.gp	Method	AAT/GAP
Start	26580	End	26642
GI	2280836	Score	65
Exons	26580..26642		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 2.0e-55 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100964	Strand	-
Start	34400	End	34829
Name	OJ000214_21.0330.C6.o5.gp	Method	AAT/GAP
Start	34400	End	34829
GI	39147_1.R1084	Score	848
Exons	34400..34829		
GI Descrip.	'2911148/dbj|BAA24950| 1.0e-10 (AB005808) NADP-malic enzyme [Aloe arborescens]'		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100965	Strand	-
Start	35861	End	38565
Name	OJ000214_21.0330.C6.o1.tw	Method	TBLASTX:Wheat
Start	31215	End	32294
GI	none	Score	63
Exons	31215..31259, 31616..31810, 31622..31720, 31708..31809, 32145..32180, 32148..32294, 32207..32293		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100965	Strand	-
Start	35861	End	38565
Name	OJ000214_21.0330.C6.o2.ts	Method	TBLASTX:Soybean
Start	31215	End	32198
GI	none	Score	75
Exons	31215..31259, 31615..31665, 31616..31810, 31708..31809, 32145..32198, 32148..32198		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100965	Strand	-
Start	35861	End	38565
Name	OJ000214_21.0330.C6.o2.tc	Method	TBLASTX:Cress
Start	31616	End	33542
GI	none	Score	279
Exons	31616..31810, 31708..31809, 31726..31815, 32145..32180, 32148..32303, 32207..32299, 32235..32306, 32403..32471, 32407..32514, 32413..32520, 32635..32706, 32640..32705, 32803..32898, 32806..32901, 33008..33082, 33008..33082, 33178..33294, 33185..33301, 33185..33271, 33353..33472, 33363..33536, 33363..33542		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100965	Strand	-
Start	35861	End	38565
Name	OJ000214_21.0330.C6.o2.tm	Method	TBLASTX:Maize
Start	31649	End	32484
GI	none	Score	148
Exons	31649..31810, 31711..31815, 32145..32180, 32148..32303, 32207..32299, 32403..32483, 32406..32459, 32407..32484		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100965	Strand	-
Start	35861	End	38565
Name	OJ000214_21.0330.C6.o1.ts	Method	TBLASTX:Soybean
Start	32199	End	34504
GI	none	Score	164
Exons	32199..32303, 32207..32299, 32403..32471, 32407..32514, 32625..32705, 32635..32706, 32752..32898, 32802..32894, 33008..33082, 33008..33082, 33179..33271, 33185..33271, 33264..33293, 33347..33535, 33363..33536, 33645..33887, 33646..33888, 33972..34040, 33976..34062, 34130..34219, 34135..34218, 34208..34504, 34213..34488		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100965	Strand	-
Start	35861	End	38565
Name	OJ000214_21.0330.C6.o1.tm	Method	TBLASTX:Maize

Start	32485	End	34504
GI	none	Score	54
Exons	32485..32514, 32634..32705, 32635..32706, 32640..32705, 32799..32906, 32803..32937, 32803..32898, 32804..32905, 33008..33082, 33008..33085, 33185..33301, 33186..33299, 33363..33533, 33363..33527, 33646..33888, 33654..33875, 33967..34062, 33978..34070, 33978..34055, 34108..34500, 34112..34504		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100965	Strand	-
Start	35861	End	38565
Name	OJ000214_21.0330.C6.o2.tw	Method	TBLASTX:Wheat
Start	32812	End	33485
GI	none	Score	123
Exons	32812..32898, 32812..32898, 33008..33082, 33008..33085, 33185..33301, 33185..33271, 33186..33278, 33359..33472, 33363..33485, 33363..33485		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100965	Strand	-
Start	35861	End	38565
Name	OJ000214_21.0330.C6.o1.tc	Method	TBLASTX:Cress
Start	33673	End	34504
GI	none	Score	302
Exons	33673..33888, 33675..33887, 33972..34052, 33976..34062, 34118..34504, 34120..34500		

Seq. No.	47461	Seq. ID	OJ000214_21.0330.C6
Gene No.	100965	Strand	-
Start	35861	End	38565
Name	OJ000214_21.0330.C6.o5.np	Method	AAT/NAP
Start	35861	End	38565
GI	7484957	Score	104
Exons	35861..35937, 36765..37031, 38101..38565		
GI Descrip.	extensin homolog F28A21.80 - Arabidopsis thaliana gi|4539386|emb|CAB37452.1| (AL035526) extensin-like protein [Arabidopsis thaliana] gi|7268661|emb|CAB78869.1| (AL161549) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	47462	Seq. ID	OJ000214_21.0330.C7
Gene No.	100966	Strand	+
Start	703	End	2948
Name	OJ000214_21.0330.C7.o1.gs	Method	GENSCAN
Start	703	End	2948
GI	none	Score	.68
Exons	703..940, 1757..1906, 2110..2234, 2811..2948		

Seq. No.	47462	Seq. ID	OJ000214_21.0330.C7
Gene No.	100967	Strand	-
Start	663	End	1202
Name	OJ000214_21.0330.C7.o1.np	Method	AAT/NAP
Start	663	End	1202
GI	6069646	Score	233
Exons	663..1202		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to		

Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	47462	Seq. ID	OJ000214_21.0330.C7
Gene No.	100967	Strand	-
Start	663	End	1202
Name	OJ000214_21.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	697	End	1135
GI	none	Score	80
Exons	697..879, 907..1134, 922..1134, 938..1135		

Seq. No.	47462	Seq. ID	OJ000214_21.0330.C7
Gene No.	100967	Strand	-
Start	663	End	1202
Name	OJ000214_21.0330.C7.o1.tw	Method	TBLASTX:Wheat
Start	706	End	1071
GI	none	Score	200
Exons	706..1071		

Seq. No.	47463	Seq. ID	OJ000214_21.0330.C8
Gene No.	100968	Strand	+
Start	2340	End	6424
Name	OJ000214_21.0330.C8.o1.gs	Method	GENSCAN
Start	2340	End	6187
GI	none	Score	.83
Exons	2340..2431, 3665..3795, 4222..4293, 4392..4464, 4518..4604, 5357..5665, 5813..5948, 6069..6187		

Seq. No.	47463	Seq. ID	OJ000214_21.0330.C8
Gene No.	100968	Strand	+
Start	2340	End	6424
Name	OJ000214_21.0330.C8.o1.np	Method	AAT/NAP
Start	3638	End	4473
GI	2062168	Score	277
Exons	3638..3795, 3910..3978, 4222..4293, 4392..4473		
GI Descrip.	(AC001645) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47463	Seq. ID	OJ000214_21.0330.C8
Gene No.	100968	Strand	+
Start	2340	End	6424
Name	OJ000214_21.0330.C8.o1.gp	Method	AAT/GAP
Start	5448	End	6424
GI	5421_1.R1084	Score	1180
Exons	5448..5665, 5884..5948, 6069..6424		
GI Descrip.	'3688173/emb|CAA21201| 2.0e-13 (AL031804) putative protein [Arabidopsis thaliana]'		

Seq. No.	47463	Seq. ID	OJ000214_21.0330.C8
Gene No.	100969	Strand	+
Start	8139	End	8824
Name	OJ000214_21.0330.C8.o2.gs	Method	GENSCAN
Start	8139	End	8824
GI	none	Score	.67
Exons	8139..8190, 8703..8824		

Seq. No.	47463	Seq. ID	OJ000214_21.0330.C8

Gene No.	100970	Strand	+
Start	10024	End	10257
Name	OJ000214_21.0330.C8.o3.np	Method	AAT/NAP
Start	10024	End	10257
GI	262249	Score	170
Exons	10024..10257		
GI Descrip.	(S52010) orf1 5' of EpoR [Mus sp.]		

Seq. No.	47463	Seq. ID	OJ000214_21.0330.C8
Gene No.	100971	Strand	-
Start	8811	End	9040
Name	OJ000214_21.0330.C8.o2.gp	Method	AAT/GAP
Start	8811	End	9040
GI	LIB3431-009-P1-N1-D10	Score	445
Exons	8811..9040		
GI Descrip.	'310316/gb|L19598|RICRTUB1X 7.0e-11 Rice beta-tubulin (RTUB-1) mRNA, complete cds'		

Seq. No.	47463	Seq. ID	OJ000214_21.0330.C8
Gene No.	100972	Strand	-
Start	9662	End	9879
Name	OJ000214_21.0330.C8.o2.tm	Method	TBLASTX:Maize
Start	2613	End	3978
GI	none	Score	73
Exons	2613..2672, 3653..3796, 3663..3755, 3736..3795, 3907..3978, 3911..3976		

Seq. No.	47463	Seq. ID	OJ000214_21.0330.C8
Gene No.	100972	Strand	-
Start	9662	End	9879
Name	OJ000214_21.0330.C8.o1.tm	Method	TBLASTX:Maize
Start	5883	End	6272
GI	none	Score	91
Exons	5883..5975, 5885..5968, 6068..6220, 6069..6272		

Seq. No.	47463	Seq. ID	OJ000214_21.0330.C8
Gene No.	100972	Strand	-
Start	9662	End	9879
Name	OJ000214_21.0330.C8.o2.np	Method	AAT/NAP
Start	9662	End	9879
GI	4493973	Score	211
Exons	9662..9879		
GI Descrip.	(AL034559) predicted using hexExon; MAL3P7.14 (PFC0925w), Hypothetical protein, len: 489 aa [Plasmodium falciparum]		

Seq. No.	47464	Seq. ID	OJ000214_25.0320.C2
Gene No.	100973	Strand	+
Start	1641	End	10045
Name	OJ000214_25.0320.C2.o2.np	Method	AAT/NAP
Start	1641	End	7281
GI	7248395	Score	335
Exons	1641..1890, 4091..4326, 4368..4715, 4762..4928, 7257..7281		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	47464	Seq. ID	OJ000214_25.0320.C2
Gene No.	100973	Strand	+
Start	1641	End	10045

Name	OJ000214_25.0320.C2.o3.np	Method	AAT/NAP
Start	5260	End	10045
GI	6721547	Score	471
Exons	5260..5292, 6244..6499, 7102..8690, 10008..10045		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	47464	Seq. ID	OJ000214_25.0320.C2
Gene No.	100973	Strand	+
Start	1641	End	10045
Name	OJ000214_25.0320.C2.o3.gs	Method	GENSCAN
Start	5797	End	9302
GI	none	Score	.96
Exons	5797..6569, 7079..9302		

Seq. No.	47464	Seq. ID	OJ000214_25.0320.C2
Gene No.	100974	Strand	-
Start	1	End	1509
Name	OJ000214_25.0320.C2.o1.np	Method	AAT/NAP
Start	1	End	1509
GI	7489400	Score	355
Exons	1..255, 1298..1509		
GI Descrip.	NBS-LRR type resistance protein - barley (fragment) gi|2792216|gb|AAB96983.1| (AF032686) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	47464	Seq. ID	OJ000214_25.0320.C2
Gene No.	100975	Strand	-
Start	4058	End	4576
Name	OJ000214_25.0320.C2.o2.gs	Method	GENSCAN
Start	4058	End	4576
GI	none	Score	.75
Exons	4058..4252, 4457..4576		

Seq. No.	47464	Seq. ID	OJ000214_25.0320.C2
Gene No.	100976	Strand	-
Start	9254	End	9688
Name	OJ000214_25.0320.C2.o1.gp	Method	AAT/GAP
Start	9254	End	9688
GI	80174_2.R1084	Score	814
Exons	9254..9688		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-41 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	47464	Seq. ID	OJ000214_25.0320.C2
Gene No.	100977	Strand	-
Start	9852	End	11056
Name	OJ000214_25.0320.C2.o2.tw	Method	TBLASTX:Wheat
Start	7173	End	7523
GI	none	Score	49
Exons	7173..7217, 7212..7307, 7319..7522, 7320..7523		

Seq. No.	47464	Seq. ID	OJ000214_25.0320.C2
Gene No.	100977	Strand	-
Start	9852	End	11056
Name	OJ000214_25.0320.C2.o2.gp	Method	AAT/GAP
Start	9852	End	10943
GI	none	Score	1256

Exons	9852..10309, 10704..10943		
Seq. No.	47464	Seq. ID	OJ000214_25.0320.C2
Gene No.	100977	Strand	-
Start	9852	End	11056
Name	OJ000214_25.0320.C2.o4.gs	Method	GENSCAN
Start	10122	End	11053
GI	none	Score	.94
Exons	10122..10309, 10704..11053		
Seq. No.	47464	Seq. ID	OJ000214_25.0320.C2
Gene No.	100977	Strand	-
Start	9852	End	11056
Name	OJ000214_25.0320.C2.o1.tm	Method	TBLASTX:Maize
Start	10131	End	11055
GI	none	Score	125
Exons	10131..10316, 10147..10311, 10696..10995, 11005..11055		
Seq. No.	47464	Seq. ID	OJ000214_25.0320.C2
Gene No.	100977	Strand	-
Start	9852	End	11056
Name	OJ000214_25.0320.C2.o1.ts	Method	TBLASTX:Soybean
Start	10131	End	11056
GI	none	Score	69
Exons	10131..10316, 10142..10264, 10144..10320, 10144..10323, 10145..10330, 10684..10881, 10885..11055, 10907..11056		
Seq. No.	47464	Seq. ID	OJ000214_25.0320.C2
Gene No.	100977	Strand	-
Start	9852	End	11056
Name	OJ000214_25.0320.C2.o1.tw	Method	TBLASTX:Wheat
Start	10168	End	10956
GI	none	Score	123
Exons	10168..10320, 10170..10316, 10684..10896, 10703..10792, 10891..10956		
Seq. No.	47465	Seq. ID	OJ000214_25.0320.C4
Gene No.	100978	Strand	+
Start	5541	End	15401
Name	OJ000214_25.0320.C4.o2.gs	Method	GENSCAN
Start	5541	End	15401
GI	none	Score	.55
Exons	5541..5653, 5757..5807, 8569..9062, 9083..9249, 10184..10321, 10666..10764, 10821..10986, 11557..11789, 12124..12169, 12641..12856, 13392..13591, 13947..14264, 15243..15401		
Seq. No.	47465	Seq. ID	OJ000214_25.0320.C4
Gene No.	100978	Strand	+
Start	5541	End	15401
Name	OJ000214_25.0320.C4.o2.np	Method	AAT/NAP
Start	11668	End	12178
GI	7523517	Score	240
Exons	11668..11979, 12124..12178		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	47465	Seq. ID	OJ000214_25.0320.C4
Gene No.	100979	Strand	-

Start	758	End	3392
Name	OJ000214_25.0320.C4.o1.gp	Method	AAT/GAP
Start	558	End	3392
GI	39125_1.R1084	Score	1345
Exons	558..1089, 3179..3392		
GI Descrip.	'4584110/emb|CAB40579.1| 7.0e-38 (AJ133639) SAH7 protein [Arabidopsis thaliana]'		

Seq. No.	47465	Seq. ID	OJ000214_25.0320.C4
Gene No.	100979	Strand	-
Start	758	End	3392
Name	OJ000214_25.0320.C4.o1.gs	Method	GENSCAN
Start	758	End	3365
GI	none	Score	.73
Exons	758..1089, 3179..3365		

Seq. No.	47465	Seq. ID	OJ000214_25.0320.C4
Gene No.	100979	Strand	-
Start	758	End	3392
Name	OJ000214_25.0320.C4.o1.tm	Method	TBLASTX:Maize
Start	758	End	3228
GI	none	Score	167
Exons	758..1090, 759..1091, 760..948, 762..1091, 3177..3227, 3178..3228		

Seq. No.	47465	Seq. ID	OJ000214_25.0320.C4
Gene No.	100979	Strand	-
Start	758	End	3392
Name	OJ000214_25.0320.C4.o1.np	Method	AAT/NAP
Start	764	End	3341
GI	6561156	Score	312
Exons	764..1089, 3179..3341		
GI Descrip.	(AF109693) allergen-like protein BRSn20 [Sambucus nigra]		

Seq. No.	47465	Seq. ID	OJ000214_25.0320.C4
Gene No.	100979	Strand	-
Start	758	End	3392
Name	OJ000214_25.0320.C4.o1.ts	Method	TBLASTX:Soybean
Start	767	End	3275
GI	none	Score	89
Exons	767..1090, 771..950, 3163..3255, 3177..3275		

Seq. No.	47465	Seq. ID	OJ000214_25.0320.C4
Gene No.	100979	Strand	-
Start	758	End	3392
Name	OJ000214_25.0320.C4.o1.tc	Method	TBLASTX:Cress
Start	767	End	3272
GI	none	Score	106
Exons	767..1093, 3177..3272, 3178..3255		

Seq. No.	47465	Seq. ID	OJ000214_25.0320.C4
Gene No.	100980	Strand	
Start	13435	End	15422
Name	OJ000214_25.0320.C4.o2.tm	Method	TBLASTX:Maize
Start	13435	End	15422
GI	none	Score	113
Exons	13435..13542, 13441..13545, 13463..13591, 13946..14164,		

13947..14165, 14145..14264, 14147..14251, 15243..15317, 15330..15422

Seq. No.	47465	Seq. ID	OJ000214_25.0320.C4
Gene No.	100980	Strand	
Start	13435	End	15422
Name	OJ000214_25.0320.C4.o2.ts	Method	TBLASTX:Soybean
Start	13463	End	15422
GI	none	Score	62
Exons	13463..13501, 13946..14101, 13947..14267, 15273..15422		

Seq. No.	47466	Seq. ID	OJ000214_25.0320.C5
Gene No.	100981	Strand	+
Start	885	End	3083
Name	OJ000214_25.0320.C5.o1.np	Method	AAT/NAP
Start	885	End	3083
GI	1150406	Score	188
Exons	885..914, 2338..2513, 2673..2837, 2931..3083		
GI Descrip.	(Z46868) exo-1,3-beta-glucanase/1,3-beta-D-glucan glucanohydrolase [Pichia angusta]		

Seq. No.	47466	Seq. ID	OJ000214_25.0320.C5
Gene No.	100981	Strand	+
Start	885	End	3083
Name	OJ000214_25.0320.C5.o1.gs	Method	GENSCAN
Start	1703	End	3039
GI	none	Score	.75
Exons	1703..1792, 2344..2513, 2673..2828, 2931..3039		

Seq. No.	47466	Seq. ID	OJ000214_25.0320.C5
Gene No.	100981	Strand	+
Start	885	End	3083
Name	OJ000214_25.0320.C5.o1.tm	Method	TBLASTX:Maize
Start	2316	End	3072
GI	none	Score	287
Exons	2316..2516, 2335..2514, 2410..2523, 2673..2828, 2674..2829, 2920..3072, 2928..3047		

Seq. No.	47466	Seq. ID	OJ000214_25.0320.C5
Gene No.	100981	Strand	+
Start	885	End	3083
Name	OJ000214_25.0320.C5.o1.ts	Method	TBLASTX:Soybean
Start	2335	End	2831
GI	none	Score	281
Exons	2335..2514, 2335..2451, 2343..2516, 2671..2829, 2673..2831		

Seq. No.	47466	Seq. ID	OJ000214_25.0320.C5
Gene No.	100981	Strand	+
Start	885	End	3083
Name	OJ000214_25.0320.C5.o1.tw	Method	TBLASTX:Wheat
Start	2672	End	3072
GI	none	Score	235
Exons	2672..2779, 2673..2837, 2674..2838, 2920..2997, 2928..3014, 2936..3004, 3015..3071, 3016..3072		

Seq. No.	47467	Seq. ID	OJ000214_25.0320.C6
Gene No.	100982	Strand	+

Start	1	End	3303
Name	OJ000214_25.0320.C6.o1.np	Method	AAT/NAP
Start	1	End	3303
GI	1050956	Score	120
Exons	1..40, 768..873, 3191..3303		
GI Descrip.	(U26160) 43 kDa secreted glycoprotein precursor [Paracoccidioides brasiliensis] gi|1588394|prf||2208385A glycoprotein gp43 [Paracoccidioides brasiliensis]		

Seq. No.	47467	Seq. ID	OJ000214_25.0320.C6
Gene No.	100982	Strand	+
Start	1	End	3303
Name	OJ000214_25.0320.C6.o1.tw	Method	TBLASTX:Wheat
Start	11	End	705
GI	none	Score	98
Exons	11..112, 12..116, 77..118, 541..705, 551..703, 562..705		

Seq. No.	47467	Seq. ID	OJ000214_25.0320.C6
Gene No.	100982	Strand	+ -
Start	1	End	3303
Name	OJ000214_25.0320.C6.o2.ts	Method	TBLASTX:Soybean
Start	12	End	744
GI	none	Score	93
Exons	12..116, 532..744, 551..742		

Seq. No.	47467	Seq. ID	OJ000214_25.0320.C6
Gene No.	100982	Strand	+
Start	1	End	3303
Name	OJ000214_25.0320.C6.o2.tm	Method	TBLASTX:Maize
Start	15	End	737
GI	none	Score	95
Exons	15..116, 532..735, 542..736, 551..736, 567..737		

Seq. No.	47467	Seq. ID	OJ000214_25.0320.C6
Gene No.	100982	Strand	+
Start	1	End	3303
Name	OJ000214_25.0320.C6.o1.gs	Method	GENSCAN
Start	527	End	2733
GI	none	Score	.73
Exons	527..850, 1012..1320, 2575..2733		

Seq. No.	47467	Seq. ID	OJ000214_25.0320.C6
Gene No.	100982	Strand	+
Start	1	End	3303
Name	OJ000214_25.0320.C6.o1.tm	Method	TBLASTX:Maize
Start	737	End	3302
GI	none	Score	157
Exons	737..850, 748..852, 763..852, 1011..1193, 1011..1202, 1012..1215, 1201..1320, 1203..1250, 2581..2664, 2671..2754, 2673..2717, 3213..3302, 3218..3301		

Seq. No.	47467	Seq. ID	OJ000214_25.0320.C6
Gene No.	100982	Strand	+
Start	1	End	3303
Name	OJ000214_25.0320.C6.o1.ts	Method	TBLASTX:Soybean
Start	755	End	3302
GI	none	Score	75

Exons	755..811, 757..807, 809..850, 811..852, 1011..1187, 1012..1206, 1061..1207, 1077..1208, 1195..1323, 1296..1322, 2615..2650, 2617..2670, 2670..2717, 2671..2757, 3203..3292, 3213..3302, 3219..3287, 3224..3301		
Seq. No.	47468	Seq. ID	OJ000214_25.0320.C7
Gene No.	100983	Strand	+
Start	26	End	721
Name	OJ000214_25.0320.C7.o1.np	Method	AAT/NAP
Start	26	End	721
GI	7451533	Score	61
Exons	26..126, 303..438, 671..721		
GI Descrip.	glucan 1,3-beta-glucosidase (EC 3.2.1.58) 2 precursor - cultivated mushroom (fragment)		
Seq. No.	47468	Seq. ID	OJ000214_25.0320.C7
Gene No.	100983	Strand	+
Start	26	End	721
Name	OJ000214_25.0320.C7.o2.tm	Method	TBLASTX:Maize
Start	54	End	297
GI	none	Score	257
Exons	54..278, 103..276, 103..297, 141..278		
Seq. No.	47468	Seq. ID	OJ000214_25.0320.C7
Gene No.	100983	Strand	+
Start	26	End	721
Name	OJ000214_25.0320.C7.o2.ts	Method	TBLASTX:Soybean
Start	60	End	294
GI	none	Score	284
Exons	60..269, 103..276, 103..294		
Seq. No.	47468	Seq. ID	OJ000214_25.0320.C7
Gene No.	100983	Strand	+
Start	26	End	721
Name	OJ000214_25.0320.C7.o1.tw	Method	TBLASTX:Wheat
Start	81	End	245
GI	none	Score	209
Exons	81..245, 103..243		
Seq. No.	47468	Seq. ID	OJ000214_25.0320.C7
Gene No.	100983	Strand	+
Start	26	End	721
Name	OJ000214_25.0320.C7.o1.gs	Method	GENSCAN
Start	104	End	711
GI	none	Score	.85
Exons	104..399, 516..711		
Seq. No.	47468	Seq. ID	OJ000214_25.0320.C7
Gene No.	100983	Strand	+
Start	26	End	721
Name	OJ000214_25.0320.C7.o1.tm	Method	TBLASTX:Maize
Start	310	End	713
GI	none	Score	144
Exons	310..399, 311..400, 312..401, 312..401, 515..712, 516..713		
Seq. No.	47468	Seq. ID	OJ000214_25.0320.C7
Gene No.	100983	Strand	+

Start	26	End	721
Name	OJ000214_25.0320.C7.o1.ts	Method	TBLASTX:Soybean
Start	310	End	701
GI	none	Score	140
Exons	310..399, 318..401, 509..700,	512..688,	516..701

Seq. No.	47469	Seq. ID	OJ000214_25.0320.C14
Gene No.	100984	Strand	-
Start	1	End	133
Name	OJ000214_25.0320.C14.o1.gp	Method	AAT/GAP
Start	1	End	133
GI	15384_1.R1084	Score	242
Exons	1..133		
GI Descrip.	'1150406/emb|CAA86948.1| 4.0e-17 (Z46868) exo-1,3-beta-glucanase/1,3-beta-D-glucan glucanohydrolase [Pichia angusta]'		

Seq. No.	47469	Seq. ID	OJ000214_25.0320.C14
Gene No.	100985	Strand	-
Start	45	End	131
Name	OJ000214_25.0320.C14.o1.gs	Method	GENSCAN
Start	45	End	131
GI	none	Score	.6
Exons	45..131		

Seq. No.	47470	Seq. ID	OJ000214_25.0320.C15
Gene No.	100986	Strand	-
Start	422	End	4952
Name	OJ000214_25.0320.C15.o1.gp	Method	AAT/GAP
Start	422	End	1057
GI	15384_1.R1084	Score	991
Exons	422..730, 833..1057		
GI Descrip.	'1150406/emb|CAA86948.1| 4.0e-17 (Z46868) exo-1,3-beta-glucanase/1,3-beta-D-glucan glucanohydrolase [Pichia angusta]'		

Seq. No.	47470	Seq. ID	OJ000214_25.0320.C15
Gene No.	100986	Strand	-
Start	422	End	4952
Name	OJ000214_25.0320.C15.o1.gs	Method	GENSCAN
Start	422	End	4826
GI	none	Score	.67
Exons	422..730, 833..975, 1216..1296, 2986..3092, 3449..3576, 4411..4581, 4740..4826		

Seq. No.	47470	Seq. ID	OJ000214_25.0320.C15
Gene No.	100986	Strand	-
Start	422	End	4952
Name	OJ000214_25.0320.C15.o1.tm	Method	TBLASTX:Maize
Start	476	End	935
GI	none	Score	172
Exons	476..730, 477..731, 824..934,	825..935	

Seq. No.	47470	Seq. ID	OJ000214_25.0320.C15
Gene No.	100986	Strand	-
Start	422	End	4952
Name	OJ000214_25.0320.C15.o1.ts	Method	TBLASTX:Soybean

Start	557	End	922
GI	none	Score	155
Exons	557..736, 558..731, 591..773, 786..917, 824..922		

Seq. No.	47470	Seq. ID	OJ000214_25.0320.C15
Gene No.	100986	Strand	-
Start	422	End	4952
Name	OJ000214_25.0320.C15.o1.np	Method	AAT/NAP
Start	4528	End	4952
GI	5042454	Score	70
Exons	4528..4581, 4852..4952		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100987	Strand	+
Start	293	End	3930
Name	OJ000214_25.0320.C16.o1.gs	Method	GENSCAN
Start	293	End	3930
GI	none	Score	.51
Exons	293..522, 687..3930		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100987	Strand	+
Start	293	End	3930
Name	OJ000214_25.0320.C16.o1.np	Method	AAT/NAP
Start	706	End	3927
GI	6907089	Score	4333
Exons	706..1966, 2070..3927		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100988	Strand	+
Start	10263	End	11535
Name	OJ000214_25.0320.C16.o4.np	Method	AAT/NAP
Start	10263	End	11535
GI	7523512	Score	201
Exons	10263..10336, 11412..11535		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o2.gs	Method	GENSCAN
Start	4141	End	13121
GI	none	Score	.75
Exons	4141..4167, 4233..4359, 4551..5115, 5186..7523, 7553..7729, 7796..7879, 7943..8828, 8837..9046, 9052..9352, 9461..10376, 10413..10583, 10742..10828, 13119..13121		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o6.tm	Method	TBLASTX:Maize
Start	4550	End	4693
GI	none	Score	127
Exons	4550..4693, 4554..4688		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o2.np	Method	AAT/NAP
Start	4553	End	10304
GI	7228457	Score	8101
Exons	4553..6101, 6168..7127, 7250..7879, 7943..9876, 9938..10304		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o8.tw	Method	TBLASTX:Wheat
Start	4562	End	5162
GI	none	Score	74
Exons	4562..4687, 4566..4688, 4748...5083, 4880..5095, 4881..5096, 5085..5162, 5086..5157, 5087..5158		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o3.tw	Method	TBLASTX:Wheat
Start	5163	End	5544
GI	none	Score	185
Exons	5163..5543, 5194..5442, 5202..5540, 5467..5544		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o2.tm	Method	TBLASTX:Maize
Start	5358	End	5681
GI	none	Score	222
Exons	5358..5681, 5371..5652		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o10.tw	Method	TBLASTX:Wheat
Start	5874	End	6186
GI	none	Score	61
Exons	5874..6134, 6010..6186		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o4.ts	Method	TBLASTX:Soybean
Start	5934	End	6500
GI	5666795	Score	68
Exons	5934..6134, 6189..6326, 6402..6500		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o4.tw	Method	TBLASTX:Wheat

Start	6189	End	6647
GI	none	Score	88
Exons	6189..6338, 6190..6327, 6373..6558, 6393..6647, 6399..6623		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o3.ts	Method	TBLASTX:Soybean
Start	7056	End	7427
GI	none	Score	89
Exons	7056..7427, 7267..7410		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o1.tw	Method	TBLASTX:Wheat
Start	7086	End	7506
GI	none	Score	257
Exons	7086..7505, 7111..7506		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o3.tm	Method	TBLASTX:Maize
Start	7179	End	7563
GI	none	Score	168
Exons	7179..7562, 7210..7410, 7293..7502, 7477..7563		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o9.tw	Method	TBLASTX:Wheat
Start	7568	End	7750
GI	none	Score	116
Exons	7568..7750, 7608..7748		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o2.tw	Method	TBLASTX:Wheat
Start	7752	End	8522
GI	none	Score	152
Exons	7752..7895, 7766..7948, 7773..7886, 7778..7948, 7831..7944, 8036..8521, 8067..8327, 8349..8522		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o5.tw	Method	TBLASTX:Wheat
Start	9258	End	9647
GI	none	Score	95
Exons	9258..9515, 9292..9531, 9498..9596, 9499..9579, 9603..9647		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o5.tm	Method	TBLASTX:Maize

Start	9360	End	9608
GI	none	Score	105
Exons	9360..9608, 9361..9606		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o3.np	Method	AAT/NAP
Start	10530	End	18291
GI	5042454	Score	183
Exons	10530..10590, 10933..11099, 18251..18291		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o1.tc	Method	TBLASTX:Cress
Start	13549	End	15789
GI	none	Score	42
Exons	13549..13686, 13578..13907, 13723..13896, 13951..14361, 13968..14366, 14796..15179, 14797..15180, 15390..15587, 15394..15585, 15676..15789		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o3.gs	Method	GENSCAN
Start	13551	End	18147
GI	none	Score	.7
Exons	13551..14364, 14743..14848, 14921..15269, 15363..15580, 15714..15780, 17723..17812, 17900..18147		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o5.np	Method	AAT/NAP
Start	13563	End	15822
GI	4102839	Score	1331
Exons	13563..14364, 14743..15298, 15390..15580, 15678..15822		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o1.tm	Method	TBLASTX:Maize
Start	13578	End	15185
GI	none	Score	146
Exons	13578..13907, 13612..13905, 13951..14367, 13968..14366, 14790..15011, 14791..14997, 15015..15077, 15022..15081, 15048..15185, 15064..15183		

Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o1.ts	Method	TBLASTX:Soybean
Start	13587	End	15185
GI	none	Score	113

Exons	13587..13688, 13722..13907, 13951..14145, 13962..14144, 14148..14348, 14149..14304, 14332..14367, 14334..14366, 14829..15185, 14848..15183		
Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o7.tw	Method	TBLASTX:Wheat
Start	13599	End	13895
GI	none	Score	126
Exons	13599..13895, 13600..13893		
Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o4.tm	Method	TBLASTX:Maize
Start	15357	End	15781
GI	none	Score	132
Exons	15357..15587, 15394..15585, 15668..15781, 15673..15780		
Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o2.ts	Method	TBLASTX:Soybean
Start	15390	End	15783
GI	none	Score	119
Exons	15390..15587, 15394..15585, 15676..15780, 15679..15783		
Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o6.tw	Method	TBLASTX:Wheat
Start	15438	End	15814
GI	none	Score	104
Exons	15438..15587, 15442..15588, 15668..15814, 15673..15801		
Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o1.gp	Method	AAT/GAP
Start	16772	End	17064
GI	none	Score	461
Exons	16772..17064		
Seq. No.	47471	Seq. ID	OJ000214_25.0320.C16
Gene No.	100989	Strand	-
Start	4141	End	18291
Name	OJ000214_25.0320.C16.o6.np	Method	AAT/NAP
Start	17857	End	18291
GI	6002603	Score	68
Exons	17857..18018, 18182..18291		
GI Descrip.	(AF092654) putative high-affinity nitrate transporter [Lycopersicon esculentum]		
Seq. No.	47472	Seq. ID	OJ000214_25.0320.C19
Gene No.	100990	Strand	+
Start	1757	End	4794

Name	OJ000214_25.0320.C19.o1.gs	Method	GENSCAN
Start	1757	End	4626
GI	none	Score	.54
Exons	1757..1940, 2094..2378, 2384..2562, 4008..4297, 4411..4626		

Seq. No.	47472	Seq. ID	OJ000214_25.0320.C19
Gene No.	100990	Strand	+
Start	1757	End	4794
Name	OJ000214_25.0320.C19.o1.np	Method	AAT/NAP
Start	4054	End	4794
GI	7452432	Score	281
Exons	4054..4301, 4421..4626, 4733..4794		
GI Descrip.	hypothetical protein F16J13.140 - Arabidopsis thaliana gi|4586112|emb|CAB40948.1| (AL049638) putative protein [Arabidopsis thaliana] gi|7267908|emb|CAB78250.1| (AL161533) putative protein [Arabidopsis thaliana]		

Seq. No.	47472	Seq. ID	OJ000214_25.0320.C19
Gene No.	100990	Strand	+
Start	1757	End	4794
Name	OJ000214_25.0320.C19.o1.ts	Method	TBLASTX:Soybean
Start	4055	End	4300
GI	none	Score	205
Exons	4055..4300, 4063..4296		

Seq. No.	47472	Seq. ID	OJ000214_25.0320.C19
Gene No.	100990	Strand	+
Start	1757	End	4794
Name	OJ000214_25.0320.C19.o1.tm	Method	TBLASTX:Maize
Start	4423	End	4750
GI	none	Score	59
Exons	4423..4503, 4483..4626, 4485..4628, 4486..4629, 4721..4750		

Seq. No.	47472	Seq. ID	OJ000214_25.0320.C19
Gene No.	100990	Strand	+
Start	1757	End	4794
Name	OJ000214_25.0320.C19.o1.gp	Method	AAT/GAP
Start	4496	End	4794
GI	63580_1.R1084	Score	366
Exons	4496..4626, 4733..4794		
GI Descrip.	'4586112/emb|CAB40948.1| 2.0e-37 (AL049638) putative protein [Arabidopsis thaliana]'		

Seq. No.	47473	Seq. ID	OJ000214_25.0320.C21
Gene No.	100991	Strand	-
Start	2021	End	2290
Name	OJ000214_25.0320.C21.o1.gs	Method	GENSCAN
Start	2021	End	2290
GI	none	Score	.94
Exons	2021..2290		

Seq. No.	47474	Seq. ID	OJ000214_25.0320.C22
Gene No.	100992	Strand	+
Start	114	End	599
Name	OJ000214_25.0320.C22.o1.gs	Method	GENSCAN
Start	114	End	599
GI	none	Score	.42

Exons	114..261, 449..599		
Seq. No.	47475	Seq. ID	OJ000214_25.0320.C24
Gene No.	100993	Strand	+
Start	1732	End	3947
Name	OJ000214_25.0320.C24.o1.gs	Method	GENSCAN
Start	1732	End	3947
GI	none	Score	.54
Exons	1732..1825, 2169..2535, 3248..3524, 3594..3947		
Seq. No.	47475	Seq. ID	OJ000214_25.0320.C24
Gene No.	100993	Strand	+
Start	1732	End	3947
Name	OJ000214_25.0320.C24.o1.gp	Method	AAT/GAP
Start	2905	End	3779
GI	4996641	Score	1369
Exons	2905..3779		
GI Descrip.	4996642/dbj|BAA78573.1| 1.0e-108 (AB028130) Dof zinc finger protein [Oryza sativa]		
Seq. No.	47475	Seq. ID	OJ000214_25.0320.C24
Gene No.	100994	Strand	+
Start	7385	End	7677
Name	OJ000214_25.0320.C24.o2.gp	Method	AAT/GAP
Start	7385	End	7677
GI	61605_3.R1084	Score	214
Exons	7385..7556, 7640..7677		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	47475	Seq. ID	OJ000214_25.0320.C24
Gene No.	100995	Strand	+
Start	8029	End	8783
Name	OJ000214_25.0320.C24.o2.np	Method	AAT/NAP
Start	8029	End	8783
GI	6983860	Score	502
Exons	8029..8475, 8503..8783		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	47475	Seq. ID	OJ000214_25.0320.C24
Gene No.	100996	Strand	+
Start	9808	End	10700
Name	OJ000214_25.0320.C24.o3.gp	Method	AAT/GAP
Start	9808	End	10700
GI	101153_1.R1084	Score	997
Exons	9808..10152, 10470..10700		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	47475	Seq. ID	OJ000214_25.0320.C24
Gene No.	100997	Strand	+
Start	10716	End	11143
Name	OJ000214_25.0320.C24.o4.gp	Method	AAT/GAP
Start	10716	End	11143
GI	2428185	Score	837
Exons	10716..11143		

GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	47475	Seq. ID	OJ000214_25.0320.C24
Gene No.	100998	Strand	-
Start	3020	End	3787
Name	OJ000214_25.0320.C24.o1.np	Method	AAT/NAP
Start	3020	End	3787
GI	4996642	Score	1007
Exons	3020..3787		
GI Descrip.	(AB028130) Dof zinc finger protein [Oryza sativa]		

Seq. No.	47475	Seq. ID	OJ000214_25.0320.C24
Gene No.	100999	Strand	-
Start	9858	End	13090
Name	OJ000214_25.0320.C24.o2.tm	Method	TBLASTX:Maize
Start	3289	End	3696
GI	none	Score	40
Exons	3289..3327, 3342..3392, 3358..3477, 3359..3385, 3391..3414, 3430..3474, 3474..3575, 3492..3677, 3576..3665, 3577..3696, 3605..3676		

Seq. No.	47475	Seq. ID	OJ000214_25.0320.C24
Gene No.	100999	Strand	-
Start	9858	End	13090
Name	OJ000214_25.0320.C24.o1.tm	Method	TBLASTX:Maize
Start	8130	End	8429
GI	none	Score	241
Exons	8130..8429, 8144..8314, 8355..8417		

Seq. No.	47475	Seq. ID	OJ000214_25.0320.C24
Gene No.	100999	Strand	-
Start	9858	End	13090
Name	OJ000214_25.0320.C24.o1.tw	Method	TBLASTX:Wheat
Start	8130	End	8486
GI	none	Score	288
Exons	8130..8486, 8144..8320, 8154..8321		

Seq. No.	47475	Seq. ID	OJ000214_25.0320.C24
Gene No.	100999	Strand	-
Start	9858	End	13090
Name	OJ000214_25.0320.C24.o3.gs	Method	GENSCAN
Start	9858	End	12930
GI	none	Score	.68
Exons	9858..10243, 10424..10566, 11362..11464, 12864..12930		

Seq. No.	47475	Seq. ID	OJ000214_25.0320.C24
Gene No.	100999	Strand	-
Start	9858	End	13090
Name	OJ000214_25.0320.C24.o3.np	Method	AAT/NAP
Start	9932	End	13090
GI	5852180	Score	306
Exons	9932..10305, 11313..11388, 13029..13090		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	47475	Seq. ID	OJ000214_25.0320.C24
Gene No.	100999	Strand	-

Start	9858	End	13090
Name	OJ000214_25.0320.C24.o5.gp	Method	AAT/GAP
Start	11666	End	11976
GI	61605_3.R1084	Score	451
Exons	11666..11976		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	47476	Seq. ID	OJ000214_27.0323.C5
Gene No.	101000	Strand	+
Start	667	End	1471
Name	OJ000214_27.0323.C5.o1.gs	Method	GENSCAN
Start	667	End	1471
GI	none	Score	.49
Exons	667..787, 978..1033, 1358..1471		

Seq. No.	47477	Seq. ID	OJ000214_27.0323.C6
Gene No.	101001	Strand	+
Start	1	End	805
Name	OJ000214_27.0323.C6.o1.np	Method	AAT/NAP
Start	1	End	805
GI	4099090	Score	107
Exons	1..150, 675..805		
GI Descrip.	(U83178) unknown [Arabidopsis thaliana]		

Seq. No.	47477	Seq. ID	OJ000214_27.0323.C6
Gene No.	101001	Strand	+
Start	1	End	805
Name	OJ000214_27.0323.C6.o1.gs	Method	GENSCAN
Start	680	End	793
GI	none	Score	.83
Exons	680..793		

Seq. No.	47477	Seq. ID	OJ000214_27.0323.C6
Gene No.	101002	Strand	-
Start	854	End	1113
Name	OJ000214_27.0323.C6.o1.gp	Method	AAT/GAP
Start	854	End	1113
GI	none	Score	516
Exons	854..1113		

Seq. No.	47477	Seq. ID	OJ000214_27.0323.C6
Gene No.	101003	Strand	-
Start	1498	End	5009
Name	OJ000214_27.0323.C6.o2.gs	Method	GENSCAN
Start	1498	End	4961
GI	none	Score	.53
Exons	1498..1619, 2536..2614, 2655..3476, 3554..4108, 4187..4592, 4684..4961		

Seq. No.	47477	Seq. ID	OJ000214_27.0323.C6
Gene No.	101003	Strand	-
Start	1498	End	5009
Name	OJ000214_27.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	2534	End	4444
GI	none	Score	144
Exons	2534..2659, 2535..2636, 2537..2713, 2823..2915, 2830..2904,		

2916..3068, 2959..3135, 3138..3197, 3147..3197, 3204..3248,
3205..3237, 3289..3324, 3291..3332, 3370..3468, 3377..3514,
3380..3478, 3384..3482, 3519..3695, 3554..3697, 3629..3703,
3728..4111, 3729..4109, 3992..4111, 4226..4444, 4227..4439

Seq. No.	47477	Seq. ID	OJ000214_27.0323.C6
Gene No.	101003	Strand	-
Start	1498	End	5009
Name	OJ000214_27.0323.C6.o2.np	Method	AAT/NAP
Start	3357	End	4961
GI	6539235	Score	1059
Exons	3357..3476, 3554..4108, 4187..4474, 4566..4961		
GI Descrip.	(AC011765) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	47477	Seq. ID	OJ000214_27.0323.C6
Gene No.	101003	Strand	-
Start	1498	End	5009
Name	OJ000214_27.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	3384	End	4483
GI	none	Score	57
Exons	3384..3482, 3421..3465, 3554..3631, 3564..3635, 3653..3697, 3728..4111, 3732..3938, 4020..4112, 4226..4318, 4227..4322, 4349..4483, 4368..4481		

Seq. No.	47477	Seq. ID	OJ000214_27.0323.C6
Gene No.	101003	Strand	-
Start	1498	End	5009
Name	OJ000214_27.0323.C6.o1.tw	Method	TBLASTX:Wheat
Start	3399	End	3941
GI	none	Score	70
Exons	3399..3482, 3421..3474, 3554..3631, 3653..3697, 3654..3698, 3728..3940, 3735..3941		

Seq. No.	47477	Seq. ID	OJ000214_27.0323.C6
Gene No.	101003	Strand	-
Start	1498	End	5009
Name	OJ000214_27.0323.C6.o1.tc	Method	TBLASTX:Cress
Start	3821	End	4430
GI	none	Score	85
Exons	3821..4111, 3831..3944, 4020..4112, 4226..4318, 4227..4319, 4349..4426, 4371..4430		

Seq. No.	47477	Seq. ID	OJ000214_27.0323.C6
Gene No.	101003	Strand	-
Start	1498	End	5009
Name	OJ000214_27.0323.C6.o2.tw	Method	TBLASTX:Wheat
Start	3953	End	4319
GI	none	Score	53
Exons	3953..4111, 4020..4106, 4226..4318, 4227..4319		

Seq. No.	47477	Seq. ID	OJ000214_27.0323.C6
Gene No.	101003	Strand	-
Start	1498	End	5009
Name	OJ000214_27.0323.C6.o2.tc	Method	TBLASTX:Cress
Start	4430	End	4700
GI	none	Score	68
Exons	4430..4477, 4431..4478, 4551..4700, 4600..4686		

Seq. No.	47477	Seq. ID	OJ000214_27.0323.C6
Gene No.	101003	Strand	-
Start	1498	End	5009
Name	OJ000214_27.0323.C6.o2.gp	Method	AAT/GAP
Start	4629	End	5009
GI	none	Score	731
Exons	4629..5009		

Seq. No.	47478	Seq. ID	OJ000214_27.0323.C8
Gene No.	101004	Strand	+
Start	125	End	384
Name	OJ000214_27.0323.C8.o1.gp	Method	AAT/GAP
Start	125	End	384
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	125..384		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	47478	Seq. ID	OJ000214_27.0323.C8
Gene No.	101005	Strand	+
Start	530	End	696
Name	OJ000214_27.0323.C8.o2.gp	Method	AAT/GAP
Start	530	End	696
GI	48116_1.R1084	Score	283
Exons	530..696		
GI Descrip.	'4263522/gb|AAD15348| 2.0e-26 (AC004044) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	47479	Seq. ID	OJ000214_27.0323.C9
Gene No.	101006	Strand	+
Start	284	End	1296
Name	OJ000214_27.0323.C9.o1.gp	Method	AAT/GAP
Start	284	End	739
GI	48116_1.R1084	Score	583
Exons	284..569, 656..739		
GI Descrip.	'4263522/gb|AAD15348| 2.0e-26 (AC004044) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	47479	Seq. ID	OJ000214_27.0323.C9
Gene No.	101006	Strand	+
Start	284	End	1296
Name	OJ000214_27.0323.C9.o1.gs	Method	GENSCAN
Start	286	End	1282
GI	none	Score	.49
Exons	286..569, 822..1282		

Seq. No.	47479	Seq. ID	OJ000214_27.0323.C9
Gene No.	101006	Strand	+
Start	284	End	1296
Name	OJ000214_27.0323.C9.o1.tm	Method	TBLASTX:Maize
Start	1026	End	1296
GI	none	Score	86
Exons	1026..1100, 1031..1099, 1076..1294, 1103..1294, 1108..1296, 1108..1296		

Seq. No.	47480	Seq. ID	OJ000214_27.0323.C10

Gene No.	101007	Strand	+
Start	89	End	655
Name	OJ000214_27.0323.C10.o1.gs	Method	GENSCAN
Start	89	End	487
GI	none	Score	.59
Exons	89..292, 396..487		

Seq. No.	47480	Seq. ID	OJ000214_27.0323.C10
Gene No.	101007	Strand	+
Start	89	End	655
Name	OJ000214_27.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	182	End	655
GI	none	Score	89
Exons	182..292, 393..494, 395..475, 584..655		

Seq. No.	47480	Seq. ID	OJ000214_27.0323.C10
Gene No.	101007	Strand	+
Start	89	End	655
Name	OJ000214_27.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	200	End	655
GI	none	Score	80
Exons	200..286, 202..285, 393..500, 393..485, 395..499, 584..655		

Seq. No.	47481	Seq. ID	OJ000214_27.0323.C11
Gene No.	101008	Strand	+
Start	1	End	1049
Name	OJ000214_27.0323.C11.o1.np	Method	AAT/NAP
Start	1	End	1044
GI	7485455	Score	894
Exons	1..157, 242..554, 742..1044		
GI Descrip.	hypothetical protein F13M23.30 - Arabidopsis thaliana gi|4455232|emb|CAB36731.1| (AL035523) putative protein [Arabidopsis thaliana] gi|7269339|emb|CAB79398.1| (AL161562) putative protein [Arabidopsis thaliana]		

Seq. No.	47481	Seq. ID	OJ000214_27.0323.C11
Gene No.	101008	Strand	+
Start	1	End	1049
Name	OJ000214_27.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	15	End	1040
GI	none	Score	175
Exons	15..158, 80..160, 233..424, 241..381, 243..422, 434..547, 435..554, 735..959, 739..1023, 853..1032, 854..1033, 873..1040		

Seq. No.	47481	Seq. ID	OJ000214_27.0323.C11
Gene No.	101008	Strand	+
Start	1	End	1049
Name	OJ000214_27.0323.C11.o1.ts	Method	TBLASTX:Soybean
Start	15	End	1049
GI	none	Score	200
Exons	15..158, 29..160, 65..160, 230..421, 242..421, 243..422, 428..553, 429..554, 453..554, 739..1029, 798..1049, 831..1046		

Seq. No.	47481	Seq. ID	OJ000214_27.0323.C11
Gene No.	101008	Strand	+
Start	1	End	1049
Name	OJ000214_27.0323.C11.o1.gs	Method	GENSCAN

Start	242	End	1047
GI	none	Score	.93
Exons	242..554, 742..1047		

Seq. No.	47481	Seq. ID	OJ000214_27.0323.C11
Gene No.	101008	Strand	+
Start	1	End	1049
Name	OJ000214_27.0323.C11.o1.tw	Method	TBLASTX:Wheat
Start	820	End	1046
GI	none	Score	185
Exons	820..1023, 841..1032, 885..1046, 923..1033		

Seq. No.	47482	Seq. ID	OJ000214_27.0323.C13
Gene No.	101009	Strand	-
Start	1	End	1310
Name	OJ000214_27.0323.C13.o1.np	Method	AAT/NAP
Start	1	End	1310
GI	2494034	Score	795
Exons	1..26, 278..1310		
GI Descrip.	DIACYLGLYCEROL KINASE 1 (DIGLYCERIDE KINASE) (DGK 1) (DAG KINASE 1) gi|2129573|pir||S71467 diacylglycerol kinase - Arabidopsis thaliana gi|1374772|dbj|BAA09856| (D63787) diacylglycerol kinase [Arabidopsis thaliana]		

Seq. No.	47482	Seq. ID	OJ000214_27.0323.C13
Gene No.	101009	Strand	-
Start	1	End	1310
Name	OJ000214_27.0323.C13.o2.tm	Method	TBLASTX:Maize
Start	281	End	633
GI	none	Score	162
Exons	281..400, 286..447, 287..466, 288..509, 459..632, 470..631, 472..633		

Seq. No.	47482	Seq. ID	OJ000214_27.0323.C13
Gene No.	101009	Strand	-
Start	1	End	1310
Name	OJ000214_27.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	287	End	1308
GI	none	Score	89
Exons	287..451, 288..413, 557..577, 650..802, 654..803, 799..897, 800..1102, 804..1100, 976..1104, 1119..1247, 1129..1254, 1255..1308, 1255..1308		

Seq. No.	47482	Seq. ID	OJ000214_27.0323.C13
Gene No.	101009	Strand	-
Start	1	End	1310
Name	OJ000214_27.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	647	End	995
GI	none	Score	104
Exons	647..796, 648..791, 799..915, 800..886, 804..995, 805..915		

Seq. No.	47482	Seq. ID	OJ000214_27.0323.C13
Gene No.	101009	Strand	-
Start	1	End	1310
Name	OJ000214_27.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	695	End	1126
GI	none	Score	57

Exons	695..742, 696..743, 743..802, 744..821, 768..1124, 804..1124, 805..1125, 806..1126		
Seq. No.	47482	Seq. ID	OJ000214_27.0323.C13
Gene No.	101009	Strand	-
Start	1	End	1310
Name	OJ000214_27.0323.C13.o3.tm	Method	TBLASTX:Maize
Start	1127	End	1310
GI	none	Score	94
Exons	1127..1246, 1128..1310, 1129..1308		
Seq. No.	47483	Seq. ID	OJ000214_27.0323.C14
Gene No.	101010	Strand	+
Start	2851	End	3157
Name	OJ000214_27.0323.C14.o1.gp	Method	AAT/GAP
Start	2851	End	3157
GI	286283	Score	497
Exons	2851..2995, 3025..3157		
Seq. No.	47483	Seq. ID	OJ000214_27.0323.C14
Gene No.	101011	Strand	-
Start	2858	End	3595
Name	OJ000214_27.0323.C14.o2.gs	Method	GENSCAN
Start	2858	End	3595
GI	none	Score	.71
Exons	2858..3595		
Seq. No.	47484	Seq. ID	OJ000214_27.0323.C15
Gene No.	101012	Strand	+
Start	79	End	878
Name	OJ000214_27.0323.C15.o1.gs	Method	GENSCAN
Start	79	End	878
GI	none	Score	.71
Exons	79..177, 257..316, 438..532, 830..878		
Seq. No.	47484	Seq. ID	OJ000214_27.0323.C15
Gene No.	101013	Strand	-
Start	2020	End	2505
Name	OJ000214_27.0323.C15.o2.gs	Method	GENSCAN
Start	2020	End	2505
GI	none	Score	.99
Exons	2020..2505		
Seq. No.	47485	Seq. ID	OJ000214_27.0323.C16
Gene No.	101014	Strand	+
Start	388	End	425
Name	OJ000214_27.0323.C16.o1.gs	Method	GENSCAN
Start	388	End	425
GI	none	Score	.95
Exons	388..425		
Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101015	Strand	+
Start	1898	End	5337
Name	OJ000214_27.0323.C17.o2.np	Method	AAT/NAP
Start	1898	End	5337
GI	2160690	Score	405

Exons	1898..1926, 3283..4028, 5320..5337		
GI Descrip.	(U73526) B' regulatory subunit of PP2A [Arabidopsis thaliana]		
Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101015	Strand	+
Start	1898	End	5337
Name	OJ000214_27.0323.C17.o2.gs	Method	GENSCAN
Start	3269	End	5068
GI	none	Score	.56
Exons	3269..3438, 3474..3803, 3829..4024, 4282..4413, 4721..5068		
Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101016	Strand	+
Start	7122	End	9810
Name	OJ000214_27.0323.C17.o3.gs	Method	GENSCAN
Start	7122	End	9611
GI	none	Score	.95
Exons	7122..7330, 9374..9611		
Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101016	Strand	+
Start	7122	End	9810
Name	OJ000214_27.0323.C17.o3.np	Method	AAT/NAP
Start	8145	End	9810
GI	5824343	Score	233
Exons	8145..8198, 9387..9611, 9680..9810		
GI Descrip.	(AJ242647) chorismate mutase [Arabidopsis thaliana]		
Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101016	Strand	+
Start	7122	End	9810
Name	OJ000214_27.0323.C17.o3.gp	Method	AAT/GAP
Start	9385	End	9768
GI	77938_1.R1084	Score	511
Exons	9385..9611, 9680..9768		
GI Descrip.	'1168940/sp|P42738|CHMU_ARATH 7.0e-53 CHORISMATE MUTASE PRECURSOR (CM-1) >gi_629509_pir__S38958 chorismate mutase precursor - Arabidopsis thaliana >gi_429153_emb_CAA81286_ (Z26519) chorismate mutase precursor [Arabidopsis thaliana]'		
Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101017	Strand	-
Start	1	End	2812
Name	OJ000214_27.0323.C17.o1.np	Method	AAT/NAP
Start	1	End	2325
GI	4263522	Score	969
Exons	1..181, 1012..2325		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101017	Strand	-
Start	1	End	2812
Name	OJ000214_27.0323.C17.o1.gp	Method	AAT/GAP
Start	352	End	1083
GI	4714731	Score	1383
Exons	352..1083		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101017	Strand	-
Start	1	End	2812
Name	OJ000214_27.0323.C17.o2.tw	Method	TBLASTX:Wheat
Start	735	End	1144
GI	none	Score	42
Exons	735..779, 736..780, 740..784, 781..879, 789..887, 825..884,	743..781, 760..879, 761..880, 950..1144, 975..1139	

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101017	Strand	-
Start	1	End	2812
Name	OJ000214_27.0323.C17.o1.gs	Method	GENSCAN
Start	977	End	2812
GI	none	Score	.57
Exons	977..2812		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101017	Strand	-
Start	1	End	2812
Name	OJ000214_27.0323.C17.o3.ts	Method	TBLASTX:Soybean
Start	1004	End	1333
GI	none	Score	228
Exons	1004..1333		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101017	Strand	-
Start	1	End	2812
Name	OJ000214_27.0323.C17.o1.tm	Method	TBLASTX:Maize
Start	1016	End	2473
GI	none	Score	94
Exons	1016..1660, 1449..1652, 1490..1675, 1544..1663, 1577..1654, 1676..1870, 1679..1741, 1682..1966, 1790..2047, 1859..2044, 1883..2044, 1940..2140, 1967..2137, 2021..2119, 2051..2233, 2069..2167, 2069..2230, 2069..2197, 2147..2305, 2162..2473, 2162..2425, 2217..2381, 2220..2390		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101017	Strand	-
Start	1	End	2812
Name	OJ000214_27.0323.C17.o4.tc	Method	TBLASTX:Cress
Start	1043	End	1450
GI	none	Score	246
Exons	1043..1450		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101017	Strand	-
Start	1	End	2812
Name	OJ000214_27.0323.C17.o1.ts	Method	TBLASTX:Soybean
Start	1334	End	2164
GI	none	Score	39
Exons	1334..1738, 1335..1391, 1340..1729, 1449..1739, 1877..1957, 1976..2071, 2069..2164		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101017	Strand	-
Start	1	End	2812

Name	OJ000214_27.0323.C17.o1.tw	Method	TBLASTX:Wheat
Start	1430	End	2524
GI	none	Score	88
Exons	1430..1663, 1449..1559, 1454..1660, 1466..1609, 1664..1897, 1793..2056, 2156..2374, 2393..2524		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101017	Strand	-
Start	1	End	2812
Name	OJ000214_27.0323.C17.o1.tc	Method	TBLASTX:Cress
Start	1451	End	2470
GI	none	Score	113
Exons	1451..1576, 1568..1663, 1679..2152, 1679..1840, 1781..2137, 1793..1882, 1877..2044, 1976..2245, 1976..2131, 1977..2246, 2063..2200, 2069..2407, 2129..2380, 2145..2357, 2150..2296, 2396..2470		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101017	Strand	-
Start	1	End	2812
Name	OJ000214_27.0323.C17.o2.gp	Method	AAT/GAP
Start	1869	End	2300
GI	4714730	Score	807
Exons	1869..2300		
GI Descrip.	4263522/gb|AAD15348| 2.0e-26 (AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101018	Strand	
Start	3487	End	3997
Name	OJ000214_27.0323.C17.o2.tc	Method	TBLASTX:Cress
Start	3487	End	3901
GI	none	Score	143
Exons	3487..3660, 3670..3840, 3687..3794, 3869..3901		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101018	Strand	
Start	3487	End	3997
Name	OJ000214_27.0323.C17.o2.tm	Method	TBLASTX:Maize
Start	3487	End	3997
GI	none	Score	141
Exons	3487..3660, 3669..3794, 3670..3840, 3869..3997		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101018	Strand	
Start	3487	End	3997
Name	OJ000214_27.0323.C17.o2.ts	Method	TBLASTX:Soybean
Start	3502	End	3901
GI	none	Score	128
Exons	3502..3660, 3519..3647, 3669..3821, 3670..3840, 3841..3900, 3869..3901		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101018	Strand	
Start	3487	End	3997
Name	OJ000214_27.0323.C17.o3.tw	Method	TBLASTX:Wheat
Start	3544	End	3840

GI	none	Score	89
Exons	3544..3660, 3670..3840, 3687..3839		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101019	Strand	
Start	9387	End	9781
Name	OJ000214_27.0323.C17.o3.tc	Method	TBLASTX:Cress
Start	9387	End	9781
GI	none	Score	229
Exons	9387..9629, 9464..9625, 9677..9781, 9687..9758		

Seq. No.	47486	Seq. ID	OJ000214_27.0323.C17
Gene No.	101019	Strand	
Start	9387	End	9781
Name	OJ000214_27.0323.C17.o3.tm	Method	TBLASTX:Maize
Start	9402	End	9775
GI	none	Score	231
Exons	9402..9629, 9455..9613, 9677..9775, 9677..9760		

Seq. No.	47487	Seq. ID	OJ000214_27.0323.C19
Gene No.	101020	Strand	-
Start	1232	End	1555
Name	OJ000214_27.0323.C19.o1.gs	Method	GENSCAN
Start	1232	End	1555
GI	none	Score	.6
Exons	1232..1555		

Seq. No.	47488	Seq. ID	OJ000214_27.0323.C20
Gene No.	101021	Strand	+
Start	1	End	115
Name	OJ000214_27.0323.C20.o1.gp	Method	AAT/GAP
Start	1	End	115
GI	none	Score	222
Exons	1..115		

Seq. No.	47488	Seq. ID	OJ000214_27.0323.C20
Gene No.	101022	Strand	+
Start	86	End	1647
Name	OJ000214_27.0323.C20.o1.gs	Method	GENSCAN
Start	86	End	1647
GI	none	Score	.74
Exons	86..1305, 1550..1647		

Seq. No.	47488	Seq. ID	OJ000214_27.0323.C20
Gene No.	101022	Strand	+
Start	86	End	1647
Name	OJ000214_27.0323.C20.o2.gp	Method	AAT/GAP
Start	302	End	762
GI	none	Score	910
Exons	302..762		

Seq. No.	47488	Seq. ID	OJ000214_27.0323.C20
Gene No.	101023	Strand	-
Start	1802	End	1907
Name	OJ000214_27.0323.C20.o3.gp	Method	AAT/GAP
Start	1802	End	1907
GI	none	Score	186

Exons	1802..1907		
Seq. No.	47489	Seq. ID	OJ000214_27.0323.C24
Gene No.	101024	Strand	+
Start	606	End	1615
Name	OJ000214_27.0323.C24.o1.np	Method	AAT/NAP
Start	606	End	1615
GI	5852182	Score	138
Exons	606..743, 1496..1615		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	47489	Seq. ID	OJ000214_27.0323.C24
Gene No.	101024	Strand	+
Start	606	End	1615
Name	OJ000214_27.0323.C24.o1.gp	Method	AAT/GAP
Start	848	End	924
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	848..924		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	47489	Seq. ID	OJ000214_27.0323.C24
Gene No.	101024	Strand	+
Start	606	End	1615
Name	OJ000214_27.0323.C24.o2.gp	Method	AAT/GAP
Start	1500	End	1615
GI	342_1.R1084	Score	157
Exons	1500..1615		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	47490	Seq. ID	OJ000214_27.0323.C25
Gene No.	101025	Strand	+
Start	1	End	5634
Name	OJ000214_27.0323.C25.o1.np	Method	AAT/NAP
Start	1	End	3234
GI	4680203	Score	701
Exons	1..553, 3209..3234		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	47490	Seq. ID	OJ000214_27.0323.C25
Gene No.	101025	Strand	+
Start	1	End	5634
Name	OJ000214_27.0323.C25.o1.gp	Method	AAT/GAP
Start	33	End	3425
GI	342_1.R1084	Score	878
Exons	33..577, 3391..3425		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	47490	Seq. ID	OJ000214_27.0323.C25
Gene No.	101025	Strand	+
Start	1	End	5634
Name	OJ000214_27.0323.C25.o1.gs	Method	GENSCAN
Start	211	End	2426
GI	none	Score	.84

Exons	211..551, 686..1333, 1437..1811, 1895..1967, 2065..2163, 2247..2426		
Seq. No.	47490	Seq. ID	OJ000214_27.0323.C25
Gene No.	101025	Strand	+
Start	1	End	5634
Name	OJ000214_27.0323.C25.o3.np	Method	AAT/NAP
Start	2601	End	4407
GI	862343	Score	160
Exons	2601..2768, 4328..4407		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	47490	Seq. ID	OJ000214_27.0323.C25
Gene No.	101025	Strand	+
Start	1	End	5634
Name	OJ000214_27.0323.C25.o2.gs	Method	GENSCAN
Start	3359	End	5634
GI	none	Score	.6
Exons	3359..3525, 3575..3880, 3885..4013, 5321..5634		

Seq. No.	47490	Seq. ID	OJ000214_27.0323.C25
Gene No.	101026	Strand	-
Start	2697	End	2754
Name	OJ000214_27.0323.C25.o1.ts	Method	TBLASTX:Soybean
Start	88	End	384
GI	none	Score	220
Exons	88..384, 142..366		

Seq. No.	47490	Seq. ID	OJ000214_27.0323.C25
Gene No.	101026	Strand	-
Start	2697	End	2754
Name	OJ000214_27.0323.C25.o1.tc	Method	TBLASTX:Cress
Start	117	End	465
GI	none	Score	297
Exons	117..269, 124..465, 318..446		

Seq. No.	47490	Seq. ID	OJ000214_27.0323.C25
Gene No.	101026	Strand	-
Start	2697	End	2754
Name	OJ000214_27.0323.C25.o1.tm	Method	TBLASTX:Maize
Start	124	End	512
GI	none	Score	59
Exons	124..213, 252..512, 253..510		

Seq. No.	47490	Seq. ID	OJ000214_27.0323.C25
Gene No.	101026	Strand	-
Start	2697	End	2754
Name	OJ000214_27.0323.C25.o1.tw	Method	TBLASTX:Wheat
Start	252	End	533
GI	none	Score	397
Exons	252..533, 253..525		

Seq. No.	47490	Seq. ID	OJ000214_27.0323.C25
Gene No.	101026	Strand	-

Start	2697	End	2754
Name	OJ000214_27.0323.C25.o2.gp	Method	AAT/GAP
Start	2697	End	2754
GI	16490_1.R1084	Score	85
Exons	2697..2754		
GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	47491	Seq. ID	OJ000214_27.0323.C26
Gene No.	101027	Strand	-
Start	365	End	1620
Name	OJ000214_27.0323.C26.o1.gs	Method	GENSCAN
Start	365	End	1620
GI	none	Score	.67
Exons	365..588, 776..929, 1606..1620		

Seq. No.	47492	Seq. ID	OJ000214_20.0321.C3
Gene No.	101028	Strand	+
Start	1	End	1146
Name	OJ000214_20.0321.C3.o1.np	Method	AAT/NAP
Start	1	End	1146
GI	6983860	Score	1793
Exons	1..1146		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	47492	Seq. ID	OJ000214_20.0321.C3
Gene No.	101028	Strand	+
Start	1	End	1146
Name	OJ000214_20.0321.C3.o3.tw	Method	TBLASTX:Wheat
Start	12	End	135
GI	none	Score	61
Exons	12..125, 13..135, 15..128		

Seq. No.	47492	Seq. ID	OJ000214_20.0321.C3
Gene No.	101028	Strand	+
Start	1	End	1146
Name	OJ000214_20.0321.C3.o1.gs	Method	GENSCAN
Start	34	End	1137
GI	none	Score	.53
Exons	34..1137		

Seq. No.	47492	Seq. ID	OJ000214_20.0321.C3
Gene No.	101028	Strand	+
Start	1	End	1146
Name	OJ000214_20.0321.C3.o1.tw	Method	TBLASTX:Wheat
Start	163	End	703
GI	none	Score	621
Exons	163..702, 345..698, 422..703		

Seq. No.	47492	Seq. ID	OJ000214_20.0321.C3
Gene No.	101028	Strand	+
Start	1	End	1146
Name	OJ000214_20.0321.C3.o2.tm	Method	TBLASTX:Maize
Start	319	End	666
GI	none	Score	267
Exons	319..651, 345..665, 346..666		

Seq. No.	47492	Seq. ID	OJ000214_20.0321.C3
Gene No.	101028	Strand	+
Start	1	End	1146
Name	OJ000214_20.0321.C3.o1.tc	Method	TBLASTX:Cress
Start	400	End	726
GI	none	Score	90
Exons	400..582, 583..726, 585..725		

Seq. No.	47492	Seq. ID	OJ000214_20.0321.C3
Gene No.	101028	Strand	+
Start	1	End	1146
Name	OJ000214_20.0321.C3.o1.ts	Method	TBLASTX:Soybean
Start	490	End	750
GI	none	Score	301
Exons	490..750, 501..749		

Seq. No.	47492	Seq. ID	OJ000214_20.0321.C3
Gene No.	101028	Strand	+
Start	1	End	1146
Name	OJ000214_20.0321.C3.o1.tm	Method	TBLASTX:Maize
Start	667	End	984
GI	none	Score	457
Exons	667..984, 678..980		

Seq. No.	47492	Seq. ID	OJ000214_20.0321.C3
Gene No.	101028	Strand	+
Start	1	End	1146
Name	OJ000214_20.0321.C3.o2.tw	Method	TBLASTX:Wheat
Start	709	End	1146
GI	none	Score	527
Exons	709..1146, 712..1056, 765..1145		

Seq. No.	47492	Seq. ID	OJ000214_20.0321.C3
Gene No.	101028	Strand	+
Start	1	End	1146
Name	OJ000214_20.0321.C3.o3.tm	Method	TBLASTX:Maize
Start	990	End	1146
GI	none	Score	201
Exons	990..1145, 991..1146		

Seq. No.	47493	Seq. ID	OJ000214_20.0321.C4
Gene No.	101029	Strand	+
Start	1	End	466
Name	OJ000214_20.0321.C4.o1.np	Method	AAT/NAP
Start	1	End	463
GI	6983860	Score	751
Exons	1..463		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	47493	Seq. ID	OJ000214_20.0321.C4
Gene No.	101029	Strand	+
Start	1	End	466
Name	OJ000214_20.0321.C4.o1.gs	Method	GENSCAN
Start	23	End	466
GI	none	Score	.55

Exons	23..466		
Seq. No.	47493	Seq. ID	OJ000214_20.0321.C4
Gene No.	101030	Strand	+
Start	1155	End	2074
Name	OJ000214_20.0321.C4.o1.tw	Method	TBLASTX:Wheat
Start	41	End	418
GI	none	Score	360
Exons	41..418, 52..366		
Seq. No.	47493	Seq. ID	OJ000214_20.0321.C4
Gene No.	101030	Strand	+
Start	1155	End	2074
Name	OJ000214_20.0321.C4.o1.tm	Method	TBLASTX:Maize
Start	62	End	322
GI	none	Score	281
Exons	62..322, 73..303		
Seq. No.	47493	Seq. ID	OJ000214_20.0321.C4
Gene No.	101030	Strand	+
Start	1155	End	2074
Name	OJ000214_20.0321.C4.o2.np	Method	AAT/NAP
Start	1155	End	2074
GI	5852178	Score	410
Exons	1155..1460, 1492..1607, 1975..2074		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		
Seq. No.	47494	Seq. ID	OJ000214_20.0321.C5
Gene No.	101031	Strand	-
Start	1	End	2163
Name	OJ000214_20.0321.C5.o1.np	Method	AAT/NAP
Start	1	End	2163
GI	6498458	Score	287
Exons	1..25, 435..683, 2112..2163		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		
Seq. No.	47494	Seq. ID	OJ000214_20.0321.C5
Gene No.	101031	Strand	-
Start	1	End	2163
Name	OJ000214_20.0321.C5.o1.gs	Method	GENSCAN
Start	179	End	751
GI	none	Score	.79
Exons	179..300, 503..682, 732..751		
Seq. No.	47495	Seq. ID	OJ000214_20.0321.C6
Gene No.	101032	Strand	+
Start	1598	End	3985
Name	OJ000214_20.0321.C6.o1.gs	Method	GENSCAN
Start	1598	End	3985
GI	none	Score	.47
Exons	1598..2456, 2562..2681, 3642..3985		
Seq. No.	47496	Seq. ID	OJ000214_20.0321.C8
Gene No.	101033	Strand	+
Start	227	End	397
Name	OJ000214_20.0321.C8.o1.gs	Method	GENSCAN
Start	227	End	397

GI	none	Score	.95
Exons	227..397		

Seq. No.	47497	Seq. ID	OJ000214_20.0321.C10
Gene No.	101034	Strand	+
Start	1	End	3873
Name	OJ000214_20.0321.C10.o1.np	Method	AAT/NAP
Start	1	End	948
GI	5777617	Score	63
Exons	1..24, 848..948		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	47497	Seq. ID	OJ000214_20.0321.C10
Gene No.	101034	Strand	+
Start	1	End	3873
Name	OJ000214_20.0321.C10.o2.np	Method	AAT/NAP
Start	1	End	2091
GI	5852171	Score	90
Exons	1..36, 1419..1463, 1520..1590, 1823..1908, 1944..2091		
GI Descrip.	(AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	47497	Seq. ID	OJ000214_20.0321.C10
Gene No.	101034	Strand	+
Start	1	End	3873
Name	OJ000214_20.0321.C10.o1.gs	Method	GENSCAN
Start	525	End	3873
GI	none	Score	.41
Exons	525..535, 1120..1241, 1939..2192, 2668..2708, 3444..3539, 3648..3873		

Seq. No.	47498	Seq. ID	OJ000214_20.0321.C12
Gene No.	101035	Strand	-
Start	318	End	458
Name	OJ000214_20.0321.C12.o1.gs	Method	GENSCAN
Start	318	End	458
GI	none	Score	.62
Exons	318..458		

Seq. No.	47499	Seq. ID	OJ000214_20.0321.C13
Gene No.	101036	Strand	+
Start	72	End	766
Name	OJ000214_20.0321.C13.o1.gs	Method	GENSCAN
Start	72	End	766
GI	none	Score	.42
Exons	72..123, 601..766		

Seq. No.	47500	Seq. ID	OJ000214_20.0321.C14
Gene No.	101037	Strand	+
Start	1	End	2883
Name	OJ000214_20.0321.C14.o1.np	Method	AAT/NAP
Start	1	End	2883
GI	4680179	Score	437
Exons	1..43, 704..1233, 2581..2883		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47500	Seq. ID	OJ000214_20.0321.C14
Gene No.	101037	Strand	+

Start	1	End	2883
Name	OJ000214_20.0321.C14.o1.gs	Method	GENSCAN
Start	1474	End	2793
GI	none	Score	.58
Exons	1474..1780, 1974..2357, 2514..2793		

Seq. No.	47501	Seq. ID	OJ000214_20.0321.C15
Gene No.	101038	Strand	+
Start	1	End	1531
Name	OJ000214_20.0321.C15.o2.np	Method	AAT/NAP
Start	1	End	1531
GI	4378066	Score	258
Exons	1..741, 785..835, 1470..1531		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	47501	Seq. ID	OJ000214_20.0321.C15
Gene No.	101038	Strand	+
Start	1	End	1531
Name	OJ000214_20.0321.C15.o3.np	Method	AAT/NAP
Start	1	End	1531
GI	5902445	Score	133
Exons	1..117, 1337..1531		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	47501	Seq. ID	OJ000214_20.0321.C15
Gene No.	101038	Strand	+
Start	1	End	1531
Name	OJ000214_20.0321.C15.o1.tw	Method	TBLASTX:Wheat
Start	4	End	372
GI	none	Score	181
Exons	4..372		

Seq. No.	47501	Seq. ID	OJ000214_20.0321.C15
Gene No.	101038	Strand	+
Start	1	End	1531
Name	OJ000214_20.0321.C15.o1.gs	Method	GENSCAN
Start	41	End	963
GI	none	Score	.74
Exons	41..94, 424..963		

Seq. No.	47502	Seq. ID	OJ000214_20.0321.C16
Gene No.	101039	Strand	+
Start	1	End	965
Name	OJ000214_20.0321.C16.o1.gp	Method	AAT/GAP
Start	1	End	965
GI	none	Score	990
Exons	1..38, 127..191, 505..965		

Seq. No.	47503	Seq. ID	OJ000214_20.0321.C17
Gene No.	101040	Strand	+
Start	386	End	862
Name	OJ000214_20.0321.C17.o1.gp	Method	AAT/GAP
Start	386	End	862
GI	none	Score	851
Exons	386..862		

Seq. No.	47503	Seq. ID	OJ000214_20.0321.C17
Gene No.	101041	Strand	-
Start	1	End	2838
Name	OJ000214_20.0321.C17.o1.np	Method	AAT/NAP
Start	1	End	1272
GI	1076802	Score	159
Exons	1..666, 1252..1272		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	47503	Seq. ID	OJ000214_20.0321.C17
Gene No.	101041	Strand	-
Start	1	End	2838
Name	OJ000214_20.0321.C17.o1.tm	Method	TBLASTX:Maize
Start	72	End	408
GI	none	Score	185
Exons	72..185, 73..189, 169..252, 183..251, 268..369, 370..408		

Seq. No.	47503	Seq. ID	OJ000214_20.0321.C17
Gene No.	101041	Strand	-
Start	1	End	2838
Name	OJ000214_20.0321.C17.o1.gs	Method	GENSCAN
Start	94	End	2838
GI	none	Score	.47
Exons	94..620, 2832..2838		

Seq. No.	47503	Seq. ID	OJ000214_20.0321.C17
Gene No.	101041	Strand	-
Start	1	End	2838
Name	OJ000214_20.0321.C17.o1.tc	Method	TBLASTX:Cress
Start	184	End	648
GI	none	Score	92
Exons	184..270, 189..248, 274..375, 372..590, 376..612, 598..648		

Seq. No.	47503	Seq. ID	OJ000214_20.0321.C17
Gene No.	101041	Strand	-
Start	1	End	2838
Name	OJ000214_20.0321.C17.o2.tm	Method	TBLASTX:Maize
Start	465	End	681
GI	none	Score	307
Exons	465..665, 466..666, 589..681		

Seq. No.	47504	Seq. ID	OJ000214_20.0321.C19
Gene No.	101042	Strand	+
Start	1	End	1154
Name	OJ000214_20.0321.C19.o1.np	Method	AAT/NAP
Start	1	End	1154
GI	7488195	Score	556
Exons	1..209, 281..491, 662..899, 1112..1154		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.70 - Arabidopsis thaliana gi|3021270|emb|CAA18465.1| (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7269165|emb|CAB79273.1| (AL161558) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	47504	Seq. ID	OJ000214_20.0321.C19
Gene No.	101042	Strand	+
Start	1	End	1154
Name	OJ000214_20.0321.C19.o1.gs	Method	GENSCAN
Start	51	End	903
GI	none	Score	.53
Exons	51..209, 281..491, 662..903		

Seq. No.	47504	Seq. ID	OJ000214_20.0321.C19
Gene No.	101042	Strand	+
Start	1	End	1154
Name	OJ000214_20.0321.C19.o1.ts	Method	TBLASTX:Soybean
Start	57	End	897
GI	none	Score	110
Exons	57..221, 272..490, 280..486, 652..897, 654..896		

Seq. No.	47504	Seq. ID	OJ000214_20.0321.C19
Gene No.	101042	Strand	+
Start	1	End	1154
Name	OJ000214_20.0321.C19.o1.tc	Method	TBLASTX:Cress
Start	117	End	774
GI	none	Score	85
Exons	117..209, 122..202, 272..502, 295..489, 652..774, 687..773		

Seq. No.	47504	Seq. ID	OJ000214_20.0321.C19
Gene No.	101042	Strand	+
Start	1	End	1154
Name	OJ000214_20.0321.C19.o1.tm	Method	TBLASTX:Maize
Start	155	End	494
GI	none	Score	81
Exons	155..202, 156..209, 272..490, 280..489, 315..494, 351..491		

Seq. No.	47504	Seq. ID	OJ000214_20.0321.C19
Gene No.	101042	Strand	+
Start	1	End	1154
Name	OJ000214_20.0321.C19.o1.tw	Method	TBLASTX:Wheat
Start	275	End	774
GI	none	Score	233
Exons	275..499, 280..495, 649..774		

Seq. No.	47504	Seq. ID	OJ000214_20.0321.C19
Gene No.	101042	Strand	+
Start	1	End	1154
Name	OJ000214_20.0321.C19.o2.tm	Method	TBLASTX:Maize
Start	652	End	916
GI	none	Score	245
Exons	652..897, 687..908, 687..896, 776..916		

Seq. No.	47505	Seq. ID	OJ000214_20.0321.C20
Gene No.	101043	Strand	-
Start	998	End	1117
Name	OJ000214_20.0321.C20.o1.gs	Method	GENSCAN
Start	998	End	1117
GI	none	Score	.83
Exons	998..1117		

Seq. No.	47506	Seq. ID	OJ000214_20.0321.C21

Gene No.	101044	Strand	+
Start	195	End	894
Name	OJ000214_20.0321.C21.o1.gs	Method	GENSCAN
Start	195	End	894
GI	none	Score	.87
Exons	195..325, 759..894		

Seq. No.	47507	Seq. ID	OJ000214_20.0321.C23
Gene No.	101045	Strand	+
Start	298	End	417
Name	OJ000214_20.0321.C23.o1.gs	Method	GENSCAN
Start	298	End	417
GI	none	Score	.97
Exons	298..417		

Seq. No.	47507	Seq. ID	OJ000214_20.0321.C23
Gene No.	101046	Strand	-
Start	675	End	1133
Name	OJ000214_20.0321.C23.o1.np	Method	AAT/NAP
Start	675	End	1133
GI	6002786	Score	75
Exons	675..772, 1055..1133		
GI Descrip.	(AF149809) circumsporozoite protein precursor homolog [Oryza sativa]		

Seq. No.	47508	Seq. ID	OJ000214_20.0321.C24
Gene No.	101047	Strand	+
Start	79	End	898
Name	OJ000214_20.0321.C24.o1.gs	Method	GENSCAN
Start	79	End	898
GI	none	Score	.74
Exons	79..173, 382..448, 792..898		

Seq. No.	47509	Seq. ID	OJ000214_20.0321.C25
Gene No.	101048	Strand	-
Start	537	End	1179
Name	OJ000214_20.0321.C25.o1.gs	Method	GENSCAN
Start	537	End	697
GI	none	Score	.83
Exons	537..697		

Seq. No.	47509	Seq. ID	OJ000214_20.0321.C25
Gene No.	101048	Strand	-
Start	537	End	1179
Name	OJ000214_20.0321.C25.o1.np	Method	AAT/NAP
Start	588	End	1179
GI	7228450	Score	117
Exons	588..796, 927..1052, 1105..1179		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101049	Strand	+
Start	5038	End	8576
Name	OJ000214_20.0321.C26.o3.gs	Method	GENSCAN
Start	5038	End	8554
GI	none	Score	.51
Exons	5038..5259, 5553..7800, 7913..8033, 8072..8176, 8530..8554		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101049	Strand	+
Start	5038	End	8576
Namé	OJ000214_20.0321.C26.o1.np	Method	AAT/NAP
Start	5544	End	8576
GI	7444451	Score	2742
Exons	5544..7995, 8080..8576		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101050	Strand	-
Start	1150	End	2093
Name	OJ000214_20.0321.C26.o2.gs	Method	GENSCAN
Start	1150	End	2093
GI	none	Score	.63
Exons	1150..1553, 1618..1705, 1747..1926, 1980..2093		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101051	Strand	
Start	5633	End	6059
Name	OJ000214_20.0321.C26.o1.tm	Method	TBLASTX:Maize
Start	5633	End	6059
GI	none	Score	101
Exons	5633..5755, 5634..5726, 5754..6059		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101052	Strand	
Start	6297	End	6674
Name	OJ000214_20.0321.C26.o1.tw	Method	TBLASTX:Wheat
Start	6297	End	6662
GI	none	Score	389
Exons	6297..6662, 6330..6644		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101052	Strand	
Start	6297	End	6674
Name	OJ000214_20.0321.C26.o4.tm	Method	TBLASTX:Maize
Start	6372	End	6674
GI	none	Score	251
Exons	6372..6674, 6372..6494, 6522..6641		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101053	Strand	
Start	6732	End	7145
Name	OJ000214_20.0321.C26.o3.ts	Method	TBLASTX:Soybean
Start	6732	End	7145
GI	none	Score	69
Exons	6732..6836, 6843..6953, 6966..7145		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101054	Strand	
Start	7139	End	7604
Name	OJ000214_20.0321.C26.o1.tc	Method	TBLASTX:Cress
Start	7139	End	7604

GI	none	Score	319
Exons	7139..7315, 7140..7604, 7152..7430, 7460..7603		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101054	Strand	
Start	7139	End	7604
Name	OJ000214_20.0321.C26.o2.ts	Method	TBLASTX:Soybean
Start	7152	End	7586
GI	none	Score	236
Exons	7152..7586		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101054	Strand	
Start	7139	End	7604
Name	OJ000214_20.0321.C26.o2.tw	Method	TBLASTX:Wheat
Start	7244	End	7604
GI	none	Score	272
Exons	7244..7600, 7260..7604		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101054	Strand	
Start	7139	End	7604
Name	OJ000214_20.0321.C26.o2.tm	Method	TBLASTX:Maize
Start	7253	End	7583
GI	none	Score	273
Exons	7253..7579, 7260..7583		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101055	Strand	
Start	8252	End	8575
Name	OJ000214_20.0321.C26.o3.tw	Method	TBLASTX:Wheat
Start	8252	End	8557
GI	none	Score	92
Exons	8252..8380, 8404..8499, 8405..8557		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101055	Strand	
Start	8252	End	8575
Name	OJ000214_20.0321.C26.o3.tm	Method	TBLASTX:Maize
Start	8255	End	8572
GI	none	Score	258
Exons	8255..8572, 8272..8571		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101055	Strand	
Start	8252	End	8575
Name	OJ000214_20.0321.C26.o1.ts	Method	TBLASTX:Soybean
Start	8264	End	8554
GI	none	Score	66
Exons	8264..8326, 8318..8554, 8356..8502		

Seq. No.	47510	Seq. ID	OJ000214_20.0321.C26
Gene No.	101055	Strand	
Start	8252	End	8575
Name	OJ000214_20.0321.C26.o2.tc	Method	TBLASTX:Cress
Start	8333	End	8575
GI	none	Score	262

Exons	8333..8575, 8338..8571		
Seq. No.	47511	Seq. ID	OJ000214_20.0321.C29
Gene No.	101056	Strand	+
Start	399	End	1447
Name	OJ000214_20.0321.C29.o1.gs	Method	GENSCAN
Start	399	End	1295
GI	none	Score	.52
Exons	399..557, 744..778, 1184..1295		
Seq. No.	47511	Seq. ID	OJ000214_20.0321.C29
Gene No.	101056	Strand	+
Start	399	End	1447
Name	OJ000214_20.0321.C29.o1.np	Method	AAT/NAP
Start	644	End	1447
GI	7228450	Score	226
Exons	644..742, 902..1004, 1114..1241, 1326..1447		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		
Seq. No.	47512	Seq. ID	OJ000214_20.0321.C30
Gene No.	101057	Strand	+
Start	1	End	4021
Name	OJ000214_20.0321.C30.o2.np	Method	AAT/NAP
Start	1	End	3665
GI	6063554	Score	209
Exons	1..28, 2101..2300, 2384..2430, 3490..3665		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	47512	Seq. ID	OJ000214_20.0321.C30
Gene No.	101057	Strand	+
Start	1	End	4021
Name	OJ000214_20.0321.C30.o1.np	Method	AAT/NAP
Start	1151	End	4021
GI	7486088	Score	282
Exons	1151..1627, 3925..4021		
GI Descrip.	hypothetical protein F24J7.20 - Arabidopsis thaliana		
Seq. No.	47512	Seq. ID	OJ000214_20.0321.C30
Gene No.	101057	Strand	+
Start	1	End	4021
Name	OJ000214_20.0321.C30.o1.gs	Method	GENSCAN
Start	1182	End	2940
GI	none	Score	.66
Exons	1182..1264, 1329..1427, 1445..1620, 1954..2002, 2078..2330, 2384..2561, 2843..2940		
Seq. No.	47512	Seq. ID	OJ000214_20.0321.C30
Gene No.	101058	Strand	+
Start	4836	End	4901
Name	OJ000214_20.0321.C30.o1.tm	Method	TBLASTX:Maize
Start	1191	End	1376
GI	none	Score	82
Exons	1191..1247, 1246..1350, 1247..1351, 1248..1355, 1249..1356, 1346..1375, 1347..1376		

Seq. No.	47512	Seq. ID	OJ000214_20.0321.C30
Gene No.	101058	Strand	+
Start	4836	End	4901
Name	OJ000214_20.0321.C30.o3.np	Method	AAT/NAP
Start	4836	End	4901
GI	6983858	Score	108
Exons	4836..4901		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	47513	Seq. ID	OJ000214_20.0321.C32
Gene No.	101059	Strand	+
Start	525	End	704
Name	OJ000214_20.0321.C32.o1.gs	Method	GENSCAN
Start	525	End	704
GI	none	Score	.9
Exons	525..704		

Seq. No.	47513	Seq. ID	OJ000214_20.0321.C32
Gene No.	101059	Strand	+
Start	525	End	704
Name	OJ000214_20.0321.C32.o1.np	Method	AAT/NAP
Start	525	End	704
GI	6686882	Score	117
Exons	525..704		
GI Descrip.	(AJ270301) putative beta-galactosidase [Arabidopsis thaliana]		

Seq. No.	47514	Seq. ID	OJ000214_20.0321.C33
Gene No.	101060	Strand	+
Start	526	End	1109
Name	OJ000214_20.0321.C33.o1.np	Method	AAT/NAP
Start	526	End	1109
GI	6686886	Score	102
Exons	526..689, 1040..1109		
GI Descrip.	(AJ270303) putative beta-galactosidase [Arabidopsis thaliana]		

Seq. No.	47514	Seq. ID	OJ000214_20.0321.C33
Gene No.	101060	Strand	+
Start	526	End	1109
Name	OJ000214_20.0321.C33.o1.gs	Method	GENSCAN
Start	587	End	682
GI	none	Score	.79
Exons	587..682		

Seq. No.	47515	Seq. ID	OJ000214_20.0321.C36
Gene No.	101061	Strand	+
Start	463	End	2823
Name	OJ000214_20.0321.C36.o1.np	Method	AAT/NAP
Start	463	End	2807
GI	7106516	Score	112
Exons	463..635, 2360..2607, 2787..2807		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	47515	Seq. ID	OJ000214_20.0321.C36
Gene No.	101061	Strand	+
Start	463	End	2823
Name	OJ000214_20.0321.C36.o2.np	Method	AAT/NAP

Start	1542	End	2644
GI	5080769	Score	190
Exons	1542..1653, 2177..2467, 2594..2644		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	47515	Seq. ID	OJ000214_20.0321.C36
Gene No.	101061	Strand	+
Start	463	End	2823
Name	OJ000214_20.0321.C36.o2.gp	Method	AAT/GAP
Start	1997	End	2823
GI	10698_1.R1084	Score	1600
Exons	1997..2823		
GI Descrip.	'5080769/gb|AAD39279.1|AC007576_2 7.0e-11 (AC007576) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	47515	Seq. ID	OJ000214_20.0321.C36
Gene No.	101061	Strand	+
Start	463	End	2823
Name	OJ000214_20.0321.C36.o2.gs	Method	GENSCAN
Start	2150	End	2647
GI	none	Score	.92
Exons	2150..2647		

Seq. No.	47515	Seq. ID	OJ000214_20.0321.C36
Gene No.	101062	Strand	-
Start	1164	End	1476
Name	OJ000214_20.0321.C36.o1.gp	Method	AAT/GAP
Start	1164	End	1476
GI	77434_1.R1084	Score	100
Exons	1164..1186, 1409..1476		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	47515	Seq. ID	OJ000214_20.0321.C36
Gene No.	101063	Strand	-
Start	3969	End	4696
Name	OJ000214_20.0321.C36.o1.tm	Method	TBLASTX:Maize
Start	2140	End	2656
GI	none	Score	78
Exons	2140..2235, 2149..2379, 2150..2377, 2293..2379, 2519..2560, 2519..2560, 2609..2656, 2615..2647		

Seq. No.	47515	Seq. ID	OJ000214_20.0321.C36
Gene No.	101063	Strand	-
Start	3969	End	4696
Name	OJ000214_20.0321.C36.o1.ts	Method	TBLASTX:Soybean
Start	2140	End	2379
GI	none	Score	81
Exons	2140..2235, 2149..2379, 2150..2377, 2293..2379		

Seq. No.	47515	Seq. ID	OJ000214_20.0321.C36
Gene No.	101063	Strand	-
Start	3969	End	4696
Name	OJ000214_20.0321.C36.o1.tw	Method	TBLASTX:Wheat
Start	2162	End	2388
GI	none	Score	233
Exons	2162..2224, 2165..2377, 2173..2382, 2308..2388		

Seq. No.	47515	Seq. ID	OJ000214_20.0321.C36
Gene No.	101063	Strand	-
Start	3969	End	4696
Name	OJ000214_20.0321.C36.o3.gs	Method	GENSCAN
Start	3969	End	4696
GI	none	Score	.57
Exons	3969..4000, 4390..4696		

Seq. No.	47516	Seq. ID	OJ000214_20.0321.C37
Gene No.	101064	Strand	+
Start	1	End	4412
Name	OJ000214_20.0321.C37.o1.gp	Method	AAT/GAP
Start	1	End	404
GI	LIB3477-003-P1-K1-E9	Score	153
Exons	1..83, 384..404		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47516	Seq. ID	OJ000214_20.0321.C37
Gene No.	101064	Strand	+
Start	1	End	4412
Name	OJ000214_20.0321.C37.o2.gp	Method	AAT/GAP
Start	102	End	561
GI	LIB3432-059-P1-K1-D8	Score	755
Exons	102..561		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	47516	Seq. ID	OJ000214_20.0321.C37
Gene No.	101064	Strand	+
Start	1	End	4412
Name	OJ000214_20.0321.C37.o1.gs	Method	GENSCAN
Start	120	End	4412
GI	none	Score	.59
Exons	120..184, 576..681, 795..1344, 1362..1549, 1622..1697, 1786..2765, 2869..3069, 3174..3692, 3975..4412		

Seq. No.	47516	Seq. ID	OJ000214_20.0321.C37
Gene No.	101065	Strand	-
Start	4495	End	5566
Name	OJ000214_20.0321.C37.o2.gs	Method	GENSCAN
Start	4495	End	5487
GI	none	Score	.54
Exons	4495..4677, 5029..5487		

Seq. No.	47516	Seq. ID	OJ000214_20.0321.C37
Gene No.	101065	Strand	-
Start	4495	End	5566
Name	OJ000214_20.0321.C37.o1.np	Method	AAT/NAP
Start	4888	End	5566
GI	7489805	Score	482
Exons	4888..5566		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	47516	Seq. ID	OJ000214_20.0321.C37
Gene No.	101065	Strand	-
Start	4495	End	5566
Name	OJ000214_20.0321.C37.o1.tm	Method	TBLASTX:Maize
Start	5206	End	5448
GI	none	Score	204
Exons	5206..5448		

Seq. No.	47516	Seq. ID	OJ000214_20.0321.C37
Gene No.	101065	Strand	-
Start	4495	End	5566
Name	OJ000214_20.0321.C37.o1.tw	Method	TBLASTX:Wheat
Start	5215	End	5493
GI	none	Score	102
Exons	5215..5346, 5374..5493		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101066	Strand	+
Start	1	End	316
Name	OJ000214_22.0328.C2.o1.np	Method	AAT/NAP
Start	1	End	316
GI	6175185	Score	97
Exons	1..99, 179..316		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101066	Strand	+
Start	1	End	316
Name	OJ000214_22.0328.C2.o1.gs	Method	GENSCAN
Start	40	End	268
GI	none	Score	.97
Exons	40..99, 179..268		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101067	Strand	+
Start	7017	End	12373
Name	OJ000214_22.0328.C2.o3.gs	Method	GENSCAN
Start	7017	End	8318
GI	none	Score	.99
Exons	7017..8318		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101067	Strand	+
Start	7017	End	12373
Name	OJ000214_22.0328.C2.o3.np	Method	AAT/NAP
Start	7017	End	12373
GI	5922631	Score	5546
Exons	7017..7141, 7400..7644, 7894..8096, 8142..8713, 8756..8907, 9034..9957, 10564..12373		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101067	Strand	+
Start	7017	End	12373
Name	OJ000214_22.0328.C2.o4.gs	Method	GENSCAN
Start	8433	End	12364
GI	none	Score	.4
Exons	8433..9957, 10123..12364		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101068	Strand	-
Start	800	End	4663
Name	OJ000214_22.0328.C2.o2.gs	Method	GENSCAN
Start	800	End	4663
GI	none	Score	.58
Exons	800..823, 931..991, 1335..1467, 2115..2285, 3393..3542, 3800..3944, 4128..4162, 4258..4332, 4537..4663		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101068	Strand	-
Start	800	End	4663
Name	OJ000214_22.0328.C2.o2.np	Method	AAT/NAP
Start	1908	End	4003
GI	7489605	Score	408
Exons	1908..2214, 3909..4003		
GI Descrip.	zinc-finger protein S3574 - rice gi|3618320|dbj|BAA33206.1| (AB001888) zinc finger protein [Oryza sativa]		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101068	Strand	-
Start	800	End	4663
Name	OJ000214_22.0328.C2.o4.tm	Method	TBLASTX:Maize
Start	1908	End	2226
GI	none	Score	65
Exons	1908..1946, 1911..1949, 1918..1995, 1950..1994, 1956..2042, 1986..2036, 1994..2044, 1994..2041, 2047..2226, 2048..2194		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101068	Strand	-
Start	800	End	4663
Name	OJ000214_22.0328.C2.o1.gp	Method	AAT/GAP
Start	1911	End	3334
GI	7_1.R1084	Score	523
Exons	1911..2218, 3302..3334		
GI Descrip.	'3618320/dbj|BAA33206| 0.0e+00 (AB001888) zinc finger protein [Oryza sativa]'		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101069	Strand	
Start	8318	End	8720
Name	OJ000214_22.0328.C2.o6.tw	Method	TBLASTX:Wheat
Start	8318	End	8720
GI	none	Score	284
Exons	8318..8587, 8319..8720		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101070	Strand	
Start	9297	End	9754

Name	OJ000214_22.0328.C2.o5.tw	Method	TBLASTX:Wheat
Start	9297	End	9754
GI	none	Score	149
Exons	9297..9473, 9518..9754, 9522..9752		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101070	Strand	
Start	9297	End	9754
Name	OJ000214_22.0328.C2.o6.tm	Method	TBLASTX:Maize
Start	9605	End	9752
GI	none	Score	183
Exons	9605..9751, 9606..9752		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101071	Strand	
Start	9974	End	10460
Name	OJ000214_22.0328.C2.o1.tw	Method	TBLASTX:Wheat
Start	9974	End	10430
GI	none	Score	491
Exons	9974..10429, 9975..10430		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101071	Strand	
Start	9974	End	10460
Name	OJ000214_22.0328.C2.o3.ts	Method	TBLASTX:Soybean
Start	10014	End	10379
GI	none	Score	136
Exons	10014..10238, 10245..10379		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101071	Strand	
Start	9974	End	10460
Name	OJ000214_22.0328.C2.o2.tm	Method	TBLASTX:Maize
Start	10104	End	10460
GI	none	Score	375
Exons	10104..10460, 10145..10450		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101072	Strand	
Start	10545	End	11259
Name	OJ000214_22.0328.C2.o2.tw	Method	TBLASTX:Wheat
Start	10545	End	10969
GI	none	Score	448
Exons	10545..10964, 10589..10969, 10592..10969		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101072	Strand	
Start	10545	End	11259
Name	OJ000214_22.0328.C2.o1.ts	Method	TBLASTX:Soybean
Start	10623	End	11024
GI	none	Score	314
Exons	10623..11024, 10640..10783, 10820..10990		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101072	Strand	
Start	10545	End	11259
Name	OJ000214_22.0328.C2.o3.tm	Method	TBLASTX:Maize

Start	10691	End	11135
GI	none	Score	275
Exons	10691..10945, 10692..10946, 10967..11098, 10968..11111, 11109..11135		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101072	Strand	
Start	10545	End	11259
Name	OJ000214_22.0328.C2.o7.tw	Method	TBLASTX:Wheat
Start	10973	End	11259
GI	none	Score	276
Exons	10973..11050, 10974..11255, 11109..11258, 11161..11259		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101073	Strand	
Start	11250	End	11765
Name	OJ000214_22.0328.C2.o2.ts	Method	TBLASTX:Soybean
Start	11250	End	11638
GI	none	Score	86
Exons	11250..11354, 11258..11638, 11394..11636		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101073	Strand	
Start	11250	End	11765
Name	OJ000214_22.0328.C2.o3.tw	Method	TBLASTX:Wheat
Start	11259	End	11681
GI	none	Score	414
Exons	11259..11681, 11267..11671		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101073	Strand	
Start	11250	End	11765
Name	OJ000214_22.0328.C2.o5.tm	Method	TBLASTX:Maize
Start	11511	End	11765
GI	none	Score	193
Exons	11511..11765		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101074	Strand	
Start	11697	End	11996
Name	OJ000214_22.0328.C2.o8.tw	Method	TBLASTX:Wheat
Start	11697	End	11996
GI	none	Score	126
Exons	11697..11828, 11856..11996		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101075	Strand	
Start	11993	End	12371
Name	OJ000214_22.0328.C2.o1.tm	Method	TBLASTX:Maize
Start	11993	End	12356
GI	none	Score	446
Exons	11993..12304, 11994..12317, 12014..12328, 12308..12355, 12309..12356		

Seq. No.	47517	Seq. ID	OJ000214_22.0328.C2
Gene No.	101075	Strand	
Start	11993	End	12371

Name	OJ000214_22.0328.C2.o4.tw	Method	TBLASTX:Wheat
Start	11999	End	12371
GI	none	Score	395
Exons	11999..12310, 12000..12371, 12195..12368		

Seq. No.	47518	Seq. ID	OJ000214_22.0328.C3
Gene No.	101076	Strand	+
Start	1	End	500
Name	OJ000214_22.0328.C3.o1.np	Method	AAT/NAP
Start	1	End	497
GI	5902445	Score	837
Exons	1..497		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	47518	Seq. ID	OJ000214_22.0328.C3
Gene No.	101076	Strand	+
Start	1	End	500
Name	OJ000214_22.0328.C3.o1.gs	Method	GENSCAN
Start	118	End	500
GI	none	Score	.46
Exons	118..500		

Seq. No.	47518	Seq. ID	OJ000214_22.0328.C3
Gene No.	101077	Strand	-
Start	815	End	1707
Name	OJ000214_22.0328.C3.o1.tw	Method	TBLASTX:Wheat
Start	27	End	488
GI	none	Score	142
Exons	27..152, 35..136, 207..365, 351..488		

Seq. No.	47518	Seq. ID	OJ000214_22.0328.C3
Gene No.	101077	Strand	-
Start	815	End	1707
Name	OJ000214_22.0328.C3.o1.tm	Method	TBLASTX:Maize
Start	216	End	451
GI	none	Score	152
Exons	216..368, 347..451, 348..449		

Seq. No.	47518	Seq. ID	OJ000214_22.0328.C3
Gene No.	101077	Strand	-
Start	815	End	1707
Name	OJ000214_22.0328.C3.o2.gs	Method	GENSCAN
Start	815	End	1707
GI	none	Score	.99
Exons	815..1263, 1336..1440, 1512..1707		

Seq. No.	47518	Seq. ID	OJ000214_22.0328.C3
Gene No.	101077	Strand	-
Start	815	End	1707
Name	OJ000214_22.0328.C3.o2.np	Method	AAT/NAP
Start	818	End	1276
GI	5902446	Score	723
Exons	818..1276		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	47519	Seq. ID	OJ000214_22.0328.C4
Gene No.	101078	Strand	-

Start	21	End	1320
Name	OJ000214_22.0328.C4.o1.gs	Method	GENSCAN
Start	21	End	1320
GI	none	Score	.84
Exons	21..253, 397..1320		

Seq. No.	47519	Seq. ID	OJ000214_22.0328.C4
Gene No.	101078	Strand	-
Start	21	End	1320
Name	OJ000214_22.0328.C4.o1.np	Method	AAT/NAP
Start	388	End	1281
GI	5902448	Score	1593
Exons	388..1281		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	47519	Seq. ID	OJ000214_22.0328.C4
Gene No.	101078	Strand	-
Start	21	End	1320
Name	OJ000214_22.0328.C4.o1.tw	Method	TBLASTX:Wheat
Start	871	End	1161
GI	none	Score	210
Exons	871..1161		

Seq. No.	47520	Seq. ID	OJ000214_22.0328.C5
Gene No.	101079	Strand	+
Start	174	End	1801
Name	OJ000214_22.0328.C5.o1.np	Method	AAT/NAP
Start	174	End	1801
GI	6539588	Score	212
Exons	174..437, 1766..1801		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	47520	Seq. ID	OJ000214_22.0328.C5
Gene No.	101079	Strand	+
Start	174	End	1801
Name	OJ000214_22.0328.C5.o1.gs	Method	GENSCAN
Start	233	End	752
GI	none	Score	.43
Exons	233..452, 595..752		

Seq. No.	47520	Seq. ID	OJ000214_22.0328.C5
Gene No.	101080	Strand	-
Start	923	End	9202
Name	OJ000214_22.0328.C5.o2.np	Method	AAT/NAP
Start	923	End	9202
GI	7106512	Score	3352
Exons	923..1272, 1327..1524, 1613..2063, 6372..6955, 7580..9068, 9142..9202		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47520	Seq. ID	OJ000214_22.0328.C5
Gene No.	101080	Strand	-
Start	923	End	9202
Name	OJ000214_22.0328.C5.o1.gp	Method	AAT/GAP
Start	2803	End	3188
GI	uC-osflcyp033a04b1	Score	673

Exons	2803..3188		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	47520	Seq. ID	OJ000214_22.0328.C5
Gene No.	101080	Strand	-
Start	923	End	9202
Name	OJ000214_22.0328.C5.o3.gs	Method	GENSCAN
Start	7689	End	9031
GI	none	Score	.83
Exons	7689..8645, 9008..9031		
Seq. No.	47520	Seq. ID	OJ000214_22.0328.C5
Gene No.	101081	Strand	-
Start	9286	End	9460
Name	OJ000214_22.0328.C5.o3.gp	Method	AAT/GAP
Start	9286	End	9460
GI	5816518	Score	166
Exons	9286..9310, 9354..9460		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	47521	Seq. ID	OJ000214_22.0328.C6
Gene No.	101082	Strand	-
Start	1	End	724
Name	OJ000214_22.0328.C6.o1.np	Method	AAT/NAP
Start	1	End	724
GI	7106512	Score	836
Exons	1..724		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	47521	Seq. ID	OJ000214_22.0328.C6
Gene No.	101082	Strand	-
Start	1	End	724
Name	OJ000214_22.0328.C6.o1.gs	Method	GENSCAN
Start	12	End	676
GI	none	Score	.44
Exons	12..676		
Seq. No.	47522	Seq. ID	OJ000214_22.0328.C9
Gene No.	101083	Strand	+
Start	218	End	385
Name	OJ000214_22.0328.C9.o1.gs	Method	GENSCAN
Start	218	End	385
GI	none	Score	.58
Exons	218..385		
Seq. No.	47522	Seq. ID	OJ000214_22.0328.C9
Gene No.	101084	Strand	+
Start	745	End	2613
Name	OJ000214_22.0328.C9.o2.gs	Method	GENSCAN
Start	745	End	2613
GI	none	Score	.6
Exons	745..920, 1479..1526, 1610..1704, 2381..2613		
Seq. No.	47522	Seq. ID	OJ000214_22.0328.C9

Gene No.	101085	Strand	-
Start	3041	End	3865
Name	OJ000214_22.0328.C9.o3.gs	Method	GENSCAN
Start	3041	End	3865
GI	none	Score	.49
Exons	3041..3865		

Seq. No.	47523	Seq. ID	OJ000214_22.0328.C13
Gene No.	101086	Strand	+
Start	1	End	1637
Name	OJ000214_22.0328.C13.o1.np	Method	AAT/NAP
Start	1	End	1637
GI	7106515	Score	1876
Exons	1..1637		
GI Descrip.	(AP001278) Similar to Arabidopsis thaliana chromosome II BAC T13P21 genomic sequence, putative helicase. (AC006067) [Oryza sativa]		

Seq. No.	47523	Seq. ID	OJ000214_22.0328.C13
Gene No.	101086	Strand	+
Start	1	End	1637
Name	OJ000214_22.0328.C13.o1.tm	Method	TBLASTX:Maize
Start	463	End	831
GI	none	Score	293
Exons	463..831, 480..545, 591..752		

Seq. No.	47523	Seq. ID	OJ000214_22.0328.C13
Gene No.	101086	Strand	+
Start	1	End	1637
Name	OJ000214_22.0328.C13.o1.tc	Method	TBLASTX:Cress
Start	1134	End	1391
GI	none	Score	199
Exons	1134..1391		

Seq. No.	47523	Seq. ID	OJ000214_22.0328.C13
Gene No.	101086	Strand	+
Start	1	End	1637
Name	OJ000214_22.0328.C13.o2.tm	Method	TBLASTX:Maize
Start	1136	End	1457
GI	none	Score	170
Exons	1136..1276, 1137..1364, 1382..1456, 1383..1457		

Seq. No.	47523	Seq. ID	OJ000214_22.0328.C13
Gene No.	101086	Strand	+
Start	1	End	1637
Name	OJ000214_22.0328.C13.o1.ts	Method	TBLASTX:Soybean
Start	1383	End	1565
GI	none	Score	213
Exons	1383..1565, 1385..1543, 1401..1562		

Seq. No.	47524	Seq. ID	OJ000214_22.0328.C14
Gene No.	101087	Strand	-
Start	1	End	7677
Name	OJ000214_22.0328.C14.o1.np	Method	AAT/NAP
Start	1	End	2798
GI	6175185	Score	169
Exons	1..112, 534..715, 1506..1637, 2432..2577, 2680..2798		

GI Descrip. (AC011437) ankyrin-like protein [Arabidopsis thaliana]

Seq. No.	47524	Seq. ID	OJ000214_22.0328.C14
Gene No.	101087	Strand	-
Start	1	End	7677
Name	OJ000214_22.0328.C14.o1.gs	Method	GENSCAN
Start	615	End	7677
GI	none	Score	.84
Exons	615..715, 1506..1637, 2432..2605, 2705..2773, 2859..2958, 6237..6245, 6346..6584, 7546..7677		

Seq. No.	47524	Seq. ID	OJ000214_22.0328.C14
Gene No.	101087	Strand	-
Start	1	End	7677
Name	OJ000214_22.0328.C14.o1.gp	Method	AAT/GAP
Start	3848	End	4254
GI	none	Score	810
Exons	3848..4254		

Seq. No.	47524	Seq. ID	OJ000214_22.0328.C14
Gene No.	101087	Strand	-
Start	1	End	7677
Name	OJ000214_22.0328.C14.o2.gp	Method	AAT/GAP
Start	4602	End	5088
GI	none	Score	772
Exons	4602..5088		

Seq. No.	47524	Seq. ID	OJ000214_22.0328.C14
Gene No.	101087	Strand	-
Start	1	End	7677
Name	OJ000214_22.0328.C14.o4.gp	Method	AAT/GAP
Start	5435	End	5999
GI	none	Score	707
Exons	5435..5549, 5713..5999		

Seq. No.	47525	Seq. ID	OJ000214_22.0328.C16
Gene No.	101088	Strand	-
Start	205	End	824
Name	OJ000214_22.0328.C16.o1.np	Method	AAT/NAP
Start	205	End	824
GI	7106512	Score	775
Exons	205..824		

GI Descrip. (AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	47525	Seq. ID	OJ000214_22.0328.C16
Gene No.	101088	Strand	-
Start	205	End	824
Name	OJ000214_22.0328.C16.o1.gs	Method	GENSCAN
Start	282	End	719
GI	none	Score	.62
Exons	282..719		

Seq. No.	47526	Seq. ID	OJ000214_22.0328.C19
Gene No.	101089	Strand	+
Start	1118	End	1645
Name	OJ000214_22.0328.C19.o1.gs	Method	GENSCAN

Start	1118	End	1645
GI	none	Score	.63
Exons	1118..1597, 1622..1645		

Seq. No.	47527	Seq. ID	OJ000214_22.0328.C20
Gene No.	101090	Strand	+
Start	1	End	1053
Name	OJ000214_22.0328.C20.o1.np	Method	AAT/NAP
Start	1	End	1053
GI	1346073	Score	33
Exons	1..52, 836..940, 1000..1053		
GI Descrip.	GLUCOSE-6-PHOSPHATE ISOMERASE, CYTOSOLIC (GPI) (PHOSPHOGLUCOSE ISOMERASE) (PGI) (PHOSPHOHEXOSE ISOMERASE) (PHI) gi|596023 (U17225) glucose-6 phosphate isomerase [Zea mays]		

Seq. No.	47527	Seq. ID	OJ000214_22.0328.C20
Gene No.	101091	Strand	-
Start	902	End	1174
Name	OJ000214_22.0328.C20.o1.gs	Method	GENSCAN
Start	902	End	1174
GI	none	Score	.96
Exons	902..1174		

Seq. No.	47528	Seq. ID	OJ000214_22.0328.C21
Gene No.	101092	Strand	+
Start	265	End	806
Name	OJ000214_22.0328.C21.o1.gs	Method	GENSCAN
Start	265	End	806
GI	none	Score	.45
Exons	265..326, 776..806		

Seq. No.	47528	Seq. ID	OJ000214_22.0328.C21
Gene No.	101093	Strand	-
Start	1943	End	2534
Name	OJ000214_22.0328.C21.o2.gs	Method	GENSCAN
Start	1943	End	2534
GI	none	Score	.89
Exons	1943..2136, 2309..2534		

Seq. No.	47529	Seq. ID	OJ000214_22.0328.C22
Gene No.	101094	Strand	+
Start	890	End	1725
Name	OJ000214_22.0328.C22.o1.gs	Method	GENSCAN
Start	890	End	1576
GI	none	Score	.49
Exons	890..1135, 1329..1348, 1455..1576		

Seq. No.	47529	Seq. ID	OJ000214_22.0328.C22
Gene No.	101094	Strand	+
Start	890	End	1725
Name	OJ000214_22.0328.C22.o1.gp	Method	AAT/GAP
Start	1062	End	1725
GI	none	Score	812
Exons	1062..1454, 1649..1725		

Seq. No.	47530	Seq. ID	OJ000214_22.0328.C23
Gene No.	101095	Strand	+

Start	6922	End	7256
Name	OJ000214_22.0328.C23.o1.gp	Method	AAT/GAP
Start	6922	End	7256
GI	3767380	Score	630
Exons	6922..7256		

Seq. No.	47530	Seq. ID	OJ000214_22.0328.C23
Gene No.	101096	Strand	+
Start	9155	End	9410
Name	OJ000214_22.0328.C23.o2.gp	Method	AAT/GAP
Start	9155	End	9410
GI	454466	Score	460
Exons	9155..9410		

Seq. No.	47530	Seq. ID	OJ000214_22.0328.C23
Gene No.	101097	Strand	+
Start	9762	End	10318
Name	OJ000214_22.0328.C23.o3.gp	Method	AAT/GAP
Start	9762	End	10318
GI	none	Score	744
Exons	9762..9927, 10017..10318		

Seq. No.	47530	Seq. ID	OJ000214_22.0328.C23
Gene No.	101098	Strand	+
Start	14522	End	15622
Name	OJ000214_22.0328.C23.o2.gs	Method	GENSCAN
Start	14522	End	15622
GI	none	Score	.99
Exons	14522..14708, 15528..15622		

Seq. No.	47530	Seq. ID	OJ000214_22.0328.C23
Gene No.	101099	Strand	-
Start	2668	End	14180
Name	OJ000214_22.0328.C23.o1.gs	Method	GENSCAN
Start	2668	End	14180
GI	none	Score	.43
Exons	2668..2784, 4126..4277, 4450..4582, 4671..4842, 4880..4887, 5497..5687, 7475..7561, 8829..9039, 9162..9220, 11542..11625, 11736..11910, 12004..12106, 12605..12684, 12774..12831, 12908..13005, 13517..13699, 13714..13788, 14121..14180		

Seq. No.	47530	Seq. ID	OJ000214_22.0328.C23
Gene No.	101099	Strand	-
Start	2668	End	14180
Name	OJ000214_22.0328.C23.o4.gp	Method	AAT/GAP
Start	11447	End	13963
GI	485_1.R1084	Score	1879
Exons	11447..11910, 12004..12106, 12605..12684, 12774..12831, 12908..13005, 13517..13699, 13777..13815, 13922..13963		
GI Descrip.	'445613/prf||1909359B 7.0e-90 ribosomal protein L7 [Solanum tuberosum]'		

Seq. No.	47530	Seq. ID	OJ000214_22.0328.C23
Gene No.	101099	Strand	-
Start	2668	End	14180
Name	OJ000214_22.0328.C23.o1.np	Method	AAT/NAP
Start	11698	End	13688

GI	445613	Score	869
Exons	11698..11906, 12000..12106, 12605..12684, 12774..12831, 12908..13005, 13517..13688		
GI Descrip.	ribosomal protein L7 [Solanum tuberosum]		

Seq. No.	47530	Seq. ID	OJ000214_22.0328.C23
Gene No.	101100	Strand	-
Start	16647	End	17439
Name	OJ000214_22.0328.C23.o1.tc	Method	TBLASTX:Cress
Start	11683	End	13654
GI	none	Score	266
Exons	11683..11916, 11695..11907, 11814..11915, 12004..12105, 12004..12105, 12601..12687, 12602..12688, 12617..12688, 12775..12831, 12778..12831, 12880..13008, 12908..13006, 13526..13654		

Seq. No.	47530	Seq. ID	OJ000214_22.0328.C23
Gene No.	101100	Strand	-
Start	16647	End	17439
Name	OJ000214_22.0328.C23.o1.tm	Method	TBLASTX:Maize
Start	11684	End	13654
GI	none	Score	273
Exons	11684..11875, 11692..11922, 11695..11910, 11814..11921, 12003..12107, 12004..12108, 12004..12105, 12601..12687, 12601..12687, 12602..12688, 12773..12835, 12775..12831, 12907..13008, 12908..13006, 13512..13571, 13517..13654		

Seq. No.	47530	Seq. ID	OJ000214_22.0328.C23
Gene No.	101100	Strand	-
Start	16647	End	17439
Name	OJ000214_22.0328.C23.o1.ts	Method	TBLASTX:Soybean
Start	11686	End	13654
GI	none	Score	210
Exons	11686..11916, 11689..11907, 11814..11912, 12004..12108, 12004..12105, 12601..12687, 12601..12687, 12602..12688, 12767..12835, 12775..12831, 12907..13008, 12908..13021, 13517..13654		

Seq. No.	47530	Seq. ID	OJ000214_22.0328.C23
Gene No.	101100	Strand	-
Start	16647	End	17439
Name	OJ000214_22.0328.C23.o1.tw	Method	TBLASTX:Wheat
Start	11854	End	13648
GI	none	Score	79
Exons	11854..11910, 11855..11911, 11856..11912, 11860..11922, 12004..12108, 12004..12105, 12601..12687, 12602..12688, 12775..12831, 12775..12831, 12776..12832, 12895..12963, 12907..13008, 12908..13006, 13512..13568, 13517..13648		

Seq. No.	47530	Seq. ID	OJ000214_22.0328.C23
Gene No.	101100	Strand	-
Start	16647	End	17439
Name	OJ000214_22.0328.C23.o3.gs	Method	GENSCAN
Start	16647	End	17439
GI	none	Score	.91
Exons	16647..16686, 17390..17439		

Seq. No.	47531	Seq. ID	OJ000214_22.0328.C26
Gene No.	101101	Strand	+
Start	1	End	888
Name	OJ000214_22.0328.C26.o1.np	Method	AAT/NAP
Start	1	End	888
GI	5091513	Score	1075
Exons	1..888		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	47531	Seq. ID	OJ000214_22.0328.C26
Gene No.	101101	Strand	+
Start	1	End	888
Name	OJ000214_22.0328.C26.o1.gs	Method	GENSCAN
Start	103	End	867
GI	none	Score	.4
Exons	103..867		

Seq. No.	47532	Seq. ID	OJ000214_22.0328.C27
Gene No.	101102	Strand	+
Start	1078	End	3915
Name	OJ000214_22.0328.C27.o1.gs	Method	GENSCAN
Start	1078	End	3915
GI	none	Score	.7
Exons	1078..1237, 1654..1831, 2253..2487, 2524..2755, 2770..3915		

Seq. No.	47532	Seq. ID	OJ000214_22.0328.C27
Gene No.	101103	Strand	-
Start	4096	End	5071
Name	OJ000214_22.0328.C27.o2.gs	Method	GENSCAN
Start	4096	End	5071
GI	none	Score	.53
Exons	4096..4143, 4964..5071		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101104	Strand	+
Start	1	End	149
Name	OJ000214_22.0328.C28.o1.gp	Method	AAT/GAP
Start	1	End	149
GI	none	Score	291
Exons	1..149		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101105	Strand	+
Start	112	End	1052
Name	OJ000214_22.0328.C28.o1.gs	Method	GENSCAN
Start	112	End	1052
GI	none	Score	.78
Exons	112..299, 1009..1052		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101106	Strand	+
Start	4860	End	5177
Name	OJ000214_22.0328.C28.o3.gp	Method	AAT/GAP
Start	4860	End	5177
GI	4716834	Score	588
Exons	4860..5177		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101107	Strand	-
Start	1254	End	6173
Name	OJ000214_22.0328.C28.o2.gs	Method	GENSCAN
Start	1254	End	6089
GI	none	Score	.69
Exons	1254..1377, 1704..1866, 1975..3106, 3195..4080, 4217..4340, 4345..4434, 4582..4712, 4927..5095, 5458..5547, 5922..6089		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101107	Strand	-
Start	1254	End	6173
Name	OJ000214_22.0328.C28.o1.np	Method	AAT/NAP
Start	1390	End	3395
GI	479357	Score	1080
Exons	1390..1562, 1636..3106, 3192..3395		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101107	Strand	-
Start	1254	End	6173
Name	OJ000214_22.0328.C28.o2.gp	Method	AAT/GAP
Start	4435	End	4786
GI	none	Score	530
Exons	4435..4786		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101107	Strand	-
Start	1254	End	6173
Name	OJ000214_22.0328.C28.o2.np	Method	AAT/NAP
Start	5887	End	6173
GI	6539588	Score	229
Exons	5887..6173		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101108	Strand	-
Start	8128	End	8845
Name	OJ000214_22.0328.C28.o1.tc	Method	TBLASTX:Cress
Start	1589	End	1945
GI	none	Score	92
Exons	1589..1663, 1655..1720, 1733..1843, 1853..1945		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101108	Strand	-
Start	8128	End	8845
Name	OJ000214_22.0328.C28.o2.ts	Method	TBLASTX:Soybean
Start	1589	End	2224
GI	none	Score	76
Exons	1589..1681, 1751..1852, 1859..1945, 2048..2224		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101108	Strand	-
Start	8128	End	8845
Name	OJ000214_22.0328.C28.o3.tm	Method	TBLASTX:Maize
Start	1670	End	2104

GI	none	Score	45
Exons	1670..1843, 1753..1836, 1847..2104, 1854..1991		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101108	Strand	-
Start	8128	End	8845
Name	OJ000214_22.0328.C28.o2.tm	Method	TBLASTX:Maize
Start	2105	End	2758
GI	none	Score	95
Exons	2105..2377, 2157..2321, 2384..2734, 2391..2735, 2537..2758, 2586..2735		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101108	Strand	-
Start	8128	End	8845
Name	OJ000214_22.0328.C28.o4.tm	Method	TBLASTX:Maize
Start	2795	End	3073
GI	none	Score	86
Exons	2795..3073, 2814..3065		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101108	Strand	-
Start	8128	End	8845
Name	OJ000214_22.0328.C28.o1.ts	Method	TBLASTX:Soybean
Start	8119	End	8757
GI	none	Score	60
Exons	8119..8379, 8195..8365, 8398..8757, 8441..8683		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101108	Strand	-
Start	8128	End	8845
Name	OJ000214_22.0328.C28.o3.np	Method	AAT/NAP
Start	8128	End	8845
GI	4416302	Score	727
Exons	8128..8845		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101108	Strand	-
Start	8128	End	8845
Name	OJ000214_22.0328.C28.o1.tm	Method	TBLASTX:Maize
Start	8152	End	8804
GI	none	Score	339
Exons	8152..8757, 8159..8683, 8763..8804		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101108	Strand	-
Start	8128	End	8845
Name	OJ000214_22.0328.C28.o2.tc	Method	TBLASTX:Cress
Start	8152	End	8514
GI	none	Score	86
Exons	8152..8394, 8383..8514		

Seq. No.	47533	Seq. ID	OJ000214_22.0328.C28
Gene No.	101108	Strand	-
Start	8128	End	8845
Name	OJ000214_22.0328.C28.o1.tw	Method	TBLASTX:Wheat

Start	8194	End	8649
GI	none	Score	77
Exons	8194..8385, 8194..8370, 8389..8649		

Seq. No.	47534	Seq. ID	OJ000214_22.0328.C29
Gene No.	101109	Strand	-
Start	1	End	1811
Name	OJ000214_22.0328.C29.o1.np	Method	AAT/NAP
Start	1	End	1811
GI	3777527	Score	1259
Exons	1..891, 1031..1811		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	47534	Seq. ID	OJ000214_22.0328.C29
Gene No.	101109	Strand	-
Start	1	End	1811
Name	OJ000214_22.0328.C29.o1.tm	Method	TBLASTX:Maize
Start	47	End	485
GI	none	Score	130
Exons	47..484, 59..424, 111..485		

Seq. No.	47534	Seq. ID	OJ000214_22.0328.C29
Gene No.	101109	Strand	-
Start	1	End	1811
Name	OJ000214_22.0328.C29.o1.ts	Method	TBLASTX:Soybean
Start	147	End	760
GI	5509260	Score	210
Exons	147..404, 152..688, 450..671, 467..676, 710..760		
GI Descrip.	-		

Seq. No.	47534	Seq. ID	OJ000214_22.0328.C29
Gene No.	101109	Strand	-
Start	1	End	1811
Name	OJ000214_22.0328.C29.o1.tw	Method	TBLASTX:Wheat
Start	155	End	629
GI	none	Score	101
Exons	155..334, 160..333, 171..341, 176..562, 374..502, 542..613, 543..629		

Seq. No.	47534	Seq. ID	OJ000214_22.0328.C29
Gene No.	101109	Strand	-
Start	1	End	1811
Name	OJ000214_22.0328.C29.o1.gs	Method	GENSCAN
Start	180	End	1732
GI	none	Score	.82
Exons	180..891, 941..1242, 1416..1732		

Seq. No.	47534	Seq. ID	OJ000214_22.0328.C29
Gene No.	101109	Strand	-
Start	1	End	1811
Name	OJ000214_22.0328.C29.o1.tc	Method	TBLASTX:Cress
Start	266	End	526
GI	none	Score	240
Exons	266..526		

Seq. No.	47534	Seq. ID	OJ000214_22.0328.C29
Gene No.	101109	Strand	-

Start	1	End	1811
Name	OJ000214_22.0328.C29.o2.tm	Method	TBLASTX:Maize
Start	1056	End	1673
GI	none	Score	271
Exons	1056..1211, 1209..1562, 1211..1543, 1307..1585, 1623..1673, 1625..1672		

Seq. No.	47534	Seq. ID	OJ000214_22.0328.C29
Gene No.	101109	Strand	-
Start	1	End	1811
Name	OJ000214_22.0328.C29.o2.ts	Method	TBLASTX:Soybean
Start	1056	End	1516
GI	none	Score	152
Exons	1056..1184, 1211..1516, 1212..1499		

Seq. No.	47534	Seq. ID	OJ000214_22.0328.C29
Gene No.	101109	Strand	-
Start	1	End	1811
Name	OJ000214_22.0328.C29.o2.tc	Method	TBLASTX:Cress
Start	1057	End	1499
GI	none	Score	73
Exons	1057..1194, 1062..1193, 1205..1498, 1413..1499		

Seq. No.	47534	Seq. ID	OJ000214_22.0328.C29
Gene No.	101109	Strand	-
Start	1	End	1811
Name	OJ000214_22.0328.C29.o2.tw	Method	TBLASTX:Wheat
Start	1358	End	1681
GI	none	Score	149
Exons	1358..1543, 1359..1532, 1367..1537, 1604..1681		

Seq. No.	47535	Seq. ID	OJ000214_22.0328.C30
Gene No.	101110	Strand	-
Start	1	End	1037
Name	OJ000214_22.0328.C30.o1.np	Method	AAT/NAP
Start	1	End	1037
GI	5091513	Score	1511
Exons	1..1037		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	47536	Seq. ID	OJ000204_23.0321.C3
Gene No.	101111	Strand	-
Start	1	End	3490
Name	OJ000204_23.0321.C3.o1.np	Method	AAT/NAP
Start	1	End	3490
GI	7486244	Score	1198
Exons	1..169, 251..1000, 1119..1547, 1733..2255, 2369..2491, 3339..3490		
GI Descrip.	hypothetical protein F27F23.21 - Arabidopsis thaliana gi|6598498|gb|AAD10166.2| (AC005917) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	47536	Seq. ID	OJ000204_23.0321.C3
Gene No.	101111	Strand	-
Start	1	End	3490
Name	OJ000204_23.0321.C3.o1.tc	Method	TBLASTX:Cress
Start	110	End	599

GI	none	Score	69
Exons	110..178, 251..526, 345..527, 524..598, 549..599		

Seq. No.	47536	Seq. ID	OJ000204_23.0321.C3
Gene No.	101111	Strand	-
Start	1	End	3490
Name	OJ000204_23.0321.C3.o1.ts	Method	TBLASTX:Soybean
Start	110	End	859
GI	none	Score	138
Exons	110..178, 251..298, 332..649, 372..845, 683..859		

Seq. No.	47536	Seq. ID	OJ000204_23.0321.C3
Gene No.	101111	Strand	-
Start	1	End	3490
Name	OJ000204_23.0321.C3.o1.gs	Method	GENSCAN
Start	251	End	3441
GI	none	Score	.88
Exons	251..1000, 1119..1547, 1733..1843, 1939..2264, 2354..2475, 3129..3244, 3343..3441		

Seq. No.	47536	Seq. ID	OJ000204_23.0321.C3
Gene No.	101111	Strand	-
Start	1	End	3490
Name	OJ000204_23.0321.C3.o1.tm	Method	TBLASTX:Maize
Start	332	End	1001
GI	none	Score	76
Exons	332..1000, 345..452, 519..836, 545..853, 912..1001		

Seq. No.	47536	Seq. ID	OJ000204_23.0321.C3
Gene No.	101111	Strand	-
Start	1	End	3490
Name	OJ000204_23.0321.C3.o1.tw	Method	TBLASTX:Wheat
Start	524	End	928
GI	none	Score	65
Exons	524..649, 525..659, 692..883, 884..928		

Seq. No.	47536	Seq. ID	OJ000204_23.0321.C3
Gene No.	101111	Strand	-
Start	1	End	3490
Name	OJ000204_23.0321.C3.o2.tc	Method	TBLASTX:Cress
Start	734	End	1009
GI	none	Score	289
Exons	734..1009		

Seq. No.	47536	Seq. ID	OJ000204_23.0321.C3
Gene No.	101111	Strand	-
Start	1	End	3490
Name	OJ000204_23.0321.C3.o2.ts	Method	TBLASTX:Soybean
Start	884	End	1299
GI	none	Score	89
Exons	884..1000, 912..1001, 1116..1292, 1117..1299		

Seq. No.	47536	Seq. ID	OJ000204_23.0321.C3
Gene No.	101111	Strand	-
Start	1	End	3490
Name	OJ000204_23.0321.C3.o2.tm	Method	TBLASTX:Maize
Start	1154	End	1497

GI	none	Score	215
Exons	1154..1315, 1155..1343, 1155..1343, 1240..1344, 1350..1442, 1365..1496, 1366..1497		
Seq. No.	47537	Seq. ID	OJ000204_23.0321.C4
Gene No.	101112	Strand	+
Start	453	End	522
Name	OJ000204_23.0321.C4.o1.gs	Method	GENSCAN
Start	453	End	522
GI	none	Score	.56
Exons	453..522		
Seq. No.	47537	Seq. ID	OJ000204_23.0321.C4
Gene No.	101113	Strand	-
Start	1016	End	1125
Name	OJ000204_23.0321.C4.o2.gs	Method	GENSCAN
Start	1016	End	1125
GI	none	Score	.85
Exons	1016..1125		
Seq. No.	47538	Seq. ID	OJ000204_23.0321.C5
Gene No.	101114	Strand	+
Start	128	End	253
Name	OJ000204_23.0321.C5.o1.gs	Method	GENSCAN
Start	128	End	253
GI	none	Score	.83
Exons	128..253		
Seq. No.	47539	Seq. ID	OJ000204_23.0321.C17
Gene No.	101115	Strand	+
Start	498	End	691
Name	OJ000204_23.0321.C17.o1.gs	Method	GENSCAN
Start	498	End	691
GI	none	Score	.92
Exons	498..691		
Seq. No.	47540	Seq. ID	OJ000204_23.0321.C19
Gene No.	101116	Strand	+
Start	1	End	1466
Name	OJ000204_23.0321.C19.o1.np	Method	AAT/NAP
Start	1	End	1466
GI	4521190	Score	36
Exons	1..213, 1447..1466		
GI Descrip.	(AB013448) Pib [Oryza sativa] (AB013449) Pib [Oryza sativa]	gi|4521192|dbj|BAA76282.1|	
Seq. No.	47540	Seq. ID	OJ000204_23.0321.C19
Gene No.	101117	Strand	-
Start	2124	End	2484
Name	OJ000204_23.0321.C19.o1.tm	Method	TBLASTX:Maize
Start	1292	End	2012
GI	none	Score	97
Exons	1292..1474, 1334..1471, 1355..1459, 1362..1469, 1364..1513, 1367..1462, 1370..1462, 1464..1511, 1481..1534, 1493..1534, 1511..1564, 1522..1596, 1532..1675, 1563..1676, 1563..1685, 1563..1679, 1568..1687, 1569..1670, 1569..1688, 1572..1676, 1573..1698, 1580..1702, 1584..1709, 1698..1811, 1701..1808,		

1701..1808, 1710..1823, 1717..1812, 1725..1808, 1725..1817, 1726..1809, 1727..1846, 1727..1831, 1733..1861, 1738..1854, 1741..1809, 1741..1839, 1741..1827, 1849..1953, 1850..1969, 1853..1972, 1853..2002, 1878..2012, 1880..1972, 1888..1956, 1922..1987

Seq. No.	47540	Seq. ID	OJ000204_23.0321.C19
Gene No.	101117	Strand	-
Start	2124	End	2484
Name	OJ000204_23.0321.C19.o2.gs	Method	GENSCAN
Start	2124	End	2484
GI	none	Score	.64
Exons	2124..2323, 2373..2484		

Seq. No.	47541	Seq. ID	OJ000204_23.0321.C20
Gene No.	101118	Strand	+
Start	175	End	575
Name	OJ000204_23.0321.C20.o1.gs	Method	GENSCAN
Start	175	End	575
GI	none	Score	.69
Exons	175..212, 551..575		

Seq. No.	47541	Seq. ID	OJ000204_23.0321.C20
Gene No.	101119	Strand	-
Start	543	End	3113
Name	OJ000204_23.0321.C20.o1.np	Method	AAT/NAP
Start	543	End	3113
GI	7489684	Score	138
Exons	543..571, 1807..2189, 3062..3113		
GI Descrip.	probable low-affinity cation transport protein - wheat gi|2460044|gb|AAB71851.1| (AF015523) low-affinity cation transporter [Triticum aestivum]		

Seq. No.	47541	Seq. ID	OJ000204_23.0321.C20
Gene No.	101119	Strand	-
Start	543	End	3113
Name	OJ000204_23.0321.C20.o2.gs	Method	GENSCAN
Start	1826	End	2224
GI	none	Score	.46
Exons	1826..2224		

Seq. No.	47542	Seq. ID	OJ000204_23.0321.C21
Gene No.	101120	Strand	+
Start	841	End	6924
Name	OJ000204_23.0321.C21.o1.gs	Method	GENSCAN
Start	841	End	6924
GI	none	Score	.61
Exons	841..1031, 1451..1596, 1719..1983, 2588..3324, 3655..3741, 4296..4411, 4766..4874, 5040..5202, 5607..5764, 6025..6347, 6490..6924		

Seq. No.	47542	Seq. ID	OJ000204_23.0321.C21
Gene No.	101120	Strand	+
Start	841	End	6924
Name	OJ000204_23.0321.C21.o1.np	Method	AAT/NAP
Start	4354	End	6695
GI	6721556	Score	203

Exons	4354..4675, 4980..5299, 6596..6695		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815081|dbj|BAA90367.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101121	Strand	+
Start	119	End	6761
Name	OJ000204_23.0321.C22.o1.gs	Method	GENSCAN
Start	119	End	6761
GI	none	Score	.51
Exons	119..404, 1212..1380, 1624..2050, 2529..2672, 2802..2912, 3608..3814, 4153..5227, 6350..6496, 6547..6761		
Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101122	Strand	+
Start	13597	End	15621
Name	OJ000204_23.0321.C22.o3.np	Method	AAT/NAP
Start	13597	End	15621
GI	6691716	Score	1623
Exons	13597..14481, 14679..14854, 14936..15203, 15380..15621		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101122	Strand	+
Start	13597	End	15621
Name	OJ000204_23.0321.C22.o4.gs	Method	GENSCAN
Start	13597	End	15574
GI	none	Score	.83
Exons	13597..14481, 14679..14854, 14936..15300, 15387..15574		
Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101123	Strand	-
Start	7123	End	9537
Name	OJ000204_23.0321.C22.o2.np	Method	AAT/NAP
Start	7123	End	9537
GI	479356	Score	1961
Exons	7123..9537		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		
Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101124	Strand	-
Start	11556	End	12619
Name	OJ000204_23.0321.C22.o3.ts	Method	TBLASTX:Soybean
Start	3614	End	3988
GI	none	Score	199
Exons	3614..3988		
Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101124	Strand	-
Start	11556	End	12619
Name	OJ000204_23.0321.C22.o2.tc	Method	TBLASTX:Cress
Start	3680	End	4000
GI	none	Score	182
Exons	3680..4000		

Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101124	Strand	-
Start	11556	End	12619
Name	OJ000204_23.0321.C22.o1.tm	Method	TBLASTX:Maize
Start	3686	End	4299
GI	none	Score	271
Exons	3686..4000, 3706..3996, 4009..4299		

Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101124	Strand	-
Start	11556	End	12619
Name	OJ000204_23.0321.C22.o3.tm	Method	TBLASTX:Maize
Start	4836	End	5190
GI	none	Score	64
Exons	4836..4889, 4837..4911, 4862..5158, 4878..5183, 4948..5190, 4998..5156, 4999..5184		

Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101124	Strand	-
Start	11556	End	12619
Name	OJ000204_23.0321.C22.o2.ts	Method	TBLASTX:Soybean
Start	4926	End	5184
GI	none	Score	204
Exons	4926..5183, 4999..5184		

Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101124	Strand	-
Start	11556	End	12619
Name	OJ000204_23.0321.C22.o1.tc	Method	TBLASTX:Cress
Start	7123	End	9136
GI	none	Score	88
Exons	7123..7284, 7340..7501, 7384..7509, 7513..7725, 7613..7705, 7732..7911, 7748..7918, 7934..8008, 8380..8463, 8572..8778, 8998..9135, 8999..9136		

Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101124	Strand	-
Start	11556	End	12619
Name	OJ000204_23.0321.C22.o2.tm	Method	TBLASTX:Maize
Start	7348	End	8106
GI	none	Score	68
Exons	7348..7506, 7391..7495, 7534..7671, 7534..7893, 7894..7968, 7948..8106		

Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101124	Strand	-
Start	11556	End	12619
Name	OJ000204_23.0321.C22.o1.ts	Method	TBLASTX:Soybean
Start	7375	End	7968
GI	none	Score	77
Exons	7375..7881, 7882..7968		

Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101124	Strand	-
Start	11556	End	12619
Name	OJ000204_23.0321.C22.o1.tw	Method	TBLASTX:Wheat

Start	7438	End	7858
GI	none	Score	197
Exons	7438..7719, 7439..7708, 7729..7857, 7730..7858		

Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101124	Strand	-
Start	11556	End	12619
Name	OJ000204_23.0321.C22.o3.gs	Method	GENSCAN
Start	11556	End	12619
GI	none	Score	.49
Exons	11556..12144, 12552..12619		

Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101124	Strand	-
Start	11556	End	12619
Name	OJ000204_23.0321.C22.o1.gp	Method	AAT/GAP
Start	11835	End	12296
GI	uC-osflcyp177g01a1	Score	241
Exons	11835..11853, 12144..12296		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	47543	Seq. ID	OJ000204_23.0321.C22
Gene No.	101125	Strand	
Start	13717	End	14007
Name	OJ000204_23.0321.C22.o2.tw	Method	TBLASTX:Wheat
Start	13717	End	14007
GI	none	Score	211
Exons	13717..14007		

Seq. No.	47544	Seq. ID	OJ000204_23.0321.C23
Gene No.	101126	Strand	-
Start	253	End	1826
Name	OJ000204_23.0321.C23.o1.gs	Method	GENSCAN
Start	253	End	1722
GI	none	Score	.7
Exons	253..1722		

Seq. No.	47544	Seq. ID	OJ000204_23.0321.C23
Gene No.	101126	Strand	-
Start	253	End	1826
Name	OJ000204_23.0321.C23.o1.np	Method	AAT/NAP
Start	256	End	1826
GI	5902445	Score	2731
Exons	256..1826		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	47544	Seq. ID	OJ000204_23.0321.C23
Gene No.	101126	Strand	-
Start	253	End	1826
Name	OJ000204_23.0321.C23.o2.tw	Method	TBLASTX:Wheat
Start	265	End	879
GI	none	Score	62
Exons	265..402, 269..391, 388..546, 601..879, 617..718, 770..859, 793..879		

Seq. No.	47544	Seq. ID	OJ000204_23.0321.C23

Gene No.	101126	Strand	-
Start	253	End	1826
Name	OJ000204_23.0321.C23.o2.tm	Method	TBLASTX:Maize
Start	304	End	537
GI	none	Score	102
Exons	304..405, 305..406, 385..537, 386..436		

Seq. No.	47544	Seq. ID	OJ000204_23.0321.C23
Gene No.	101126	Strand	-
Start	253	End	1826
Name	OJ000204_23.0321.C23.o3.tm	Method	TBLASTX:Maize
Start	649	End	922
GI	none	Score	61
Exons	649..735, 745..828, 758..832, 815..922, 823..921		

Seq. No.	47544	Seq. ID	OJ000204_23.0321.C23
Gene No.	101126	Strand	-
Start	253	End	1826
Name	OJ000204_23.0321.C23.o1.tw	Method	TBLASTX:Wheat
Start	994	End	1381
GI	none	Score	106
Exons	994..1185, 994..1380, 1070..1381		

Seq. No.	47544	Seq. ID	OJ000204_23.0321.C23
Gene No.	101126	Strand	-
Start	253	End	1826
Name	OJ000204_23.0321.C23.o1.tm	Method	TBLASTX:Maize
Start	1024	End	1386
GI	none	Score	67
Exons	1024..1071, 1025..1072, 1052..1366, 1063..1386, 1076..1366		

Seq. No.	47544	Seq. ID	OJ000204_23.0321.C23
Gene No.	101126	Strand	-
Start	253	End	1826
Name	OJ000204_23.0321.C23.o3.tw	Method	TBLASTX:Wheat
Start	1522	End	1825
GI	none	Score	76
Exons	1522..1824, 1742..1825		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101127	Strand	+
Start	8277	End	8664
Name	OJ000204_23.0321.C24.o3.gs	Method	GENSCAN
Start	8277	End	8664
GI	none	Score	.93
Exons	8277..8397, 8468..8664		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101128	Strand	+
Start	11095	End	11515
Name	OJ000204_23.0321.C24.o1.gp	Method	AAT/GAP
Start	11095	End	11515
GI	uC-osflcyp123a03b1	Score	724
Exons	11095..11515		
GI Descrip.	'1346396/sp|P17801|KPRO_MAIZE 1.0e-11 PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR >gi_100913_pir__S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize		

>gi_22432_emb_CAA36611_ (X52384) precursor protein (AA -26 to 791) [Zea mays] >gi_22436_emb_CAA47962_ (X67733) receptor-like protein kinase [Zea mays] >gi_226927_prf__1611404A receptor protein kinase [Zea ma'

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101129	Strand	+
Start	12090	End	12368
Name	OJ000204_23.0321.C24.o2.gp	Method	AAT/GAP
Start	12090	End	12368
GI	427565	Score	526
Exons	12090..12368		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101130	Strand	-
Start	1	End	4898
Name	OJ000204_23.0321.C24.o1.np	Method	AAT/NAP
Start	1	End	4198
GI	4680183	Score	4734
Exons	1..70, 724..1116, 1204..1246, 1742..4198		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101130	Strand	-
Start	1	End	4898
Name	OJ000204_23.0321.C24.o1.gs	Method	GENSCAN
Start	123	End	4898
GI	none	Score	.59
Exons	123..1236, 1369..4202, 4690..4898		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101131	Strand	-
Start	5419	End	6621
Name	OJ000204_23.0321.C24.o2.gs	Method	GENSCAN
Start	5419	End	6621
GI	none	Score	.64
Exons	5419..5643, 5696..6079, 6109..6621		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o4.tw	Method	TBLASTX:Wheat
Start	17	End	446
GI	none	Score	126
Exons	17..445, 174..446		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o3.tm	Method	TBLASTX:Maize
Start	104	End	548
GI	none	Score	87
Exons	104..130, 128..271, 141..272, 293..523, 293..547, 294..548		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470

Name	OJ000204_23.0321.C24.o2.ts	Method	TBLASTX:Soybean
Start	215	End	616
GI	none	Score	57
Exons	215..616, 249..419, 456..599		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o3.tw	Method	TBLASTX:Wheat
Start	491	End	910
GI	none	Score	242
Exons	491..910, 492..908		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o2.tm	Method	TBLASTX:Maize
Start	779	End	1135
GI	none	Score	98
Exons	779..1072, 779..1135, 789..1094		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o3.ts	Method	TBLASTX:Soybean
Start	860	End	1225
GI	none	Score	138
Exons	860..994, 1001..1225		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o6.tw	Method	TBLASTX:Wheat
Start	910	End	1144
GI	none	Score	135
Exons	910..1074, 911..1123, 911..1144, 912..1124		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o2.tw	Method	TBLASTX:Wheat
Start	1145	End	1942
GI	none	Score	116
Exons	1145..1438, 1149..1373, 1485..1721, 1487..1717, 1766..1942, 1772..1879		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o5.tm	Method	TBLASTX:Maize
Start	1487	End	1634
GI	none	Score	125
Exons	1487..1633, 1488..1634		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470

Name	OJ000204_23.0321.C24.o5.tw	Method	TBLASTX:Wheat
Start	2516	End	2918
GI	none	Score	136
Exons	2516..2917, 2517..2918		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o2.np	Method	AAT/NAP
Start	9050	End	11470
GI	479356	Score	1900
Exons	9050..11470		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o1.tc	Method	TBLASTX:Cress
Start	9086	End	11081
GI	none	Score	94
Exons	9086..9190, 9311..9436, 9318..9428, 9440..9652, 9465..9611, 9659..9838, 9720..9839, 9813..9935, 10541..10723, 10943..11080, 10944..11081		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o1.tm	Method	TBLASTX:Maize
Start	9323	End	9895
GI	none	Score	86
Exons	9323..9631, 9324..9482, 9644..9793, 9803..9895		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o1.tw	Method	TBLASTX:Wheat
Start	9365	End	9785
GI	none	Score	205
Exons	9365..9634, 9366..9635, 9379..9636, 9647..9784, 9648..9785		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o1.ts	Method	TBLASTX:Soybean
Start	9479	End	9926
GI	none	Score	102
Exons	9479..9631, 9479..9643, 9490..9645, 9664..9810, 9669..9926, 9671..9919		

Seq. No.	47545	Seq. ID	OJ000204_23.0321.C24
Gene No.	101132	Strand	-
Start	9050	End	11470
Name	OJ000204_23.0321.C24.o4.tm	Method	TBLASTX:Maize
Start	10949	End	11275
GI	none	Score	97
Exons	10949..11134, 11114..11275		

Seq. No.	47546	Seq. ID	OJ000204_23.0321.C25
Gene No.	101133	Strand	+
Start	66	End	532
Name	OJ000204_23.0321.C25.o1.gs	Method	GENSCAN
Start	66	End	532
GI	none	Score	.95
Exons	66..285, 435..532		

Seq. No.	47546	Seq. ID	OJ000204_23.0321.C25
Gene No.	101134	Strand	+
Start	2403	End	3258
Name	OJ000204_23.0321.C25.o1.np	Method	AAT/NAP
Start	2403	End	3258
GI	6983860	Score	645
Exons	2403..2895, 2934..3258		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	47546	Seq. ID	OJ000204_23.0321.C25
Gene No.	101134	Strand	+
Start	2403	End	3258
Name	OJ000204_23.0321.C25.o1.tm	Method	TBLASTX:Maize
Start	2409	End	3017
GI	none	Score	45
Exons	2409..2450, 2458..2550, 2571..2606, 2653..2820, 2657..2833, 2830..2901, 2936..3013, 2937..3017		

Seq. No.	47546	Seq. ID	OJ000204_23.0321.C25
Gene No.	101134	Strand	+
Start	2403	End	3258
Name	OJ000204_23.0321.C25.o1.tw	Method	TBLASTX:Wheat
Start	2674	End	3011
GI	none	Score	130
Exons	2674..2820, 2675..2845, 2805..2900, 2836..2907, 2931..3011, 2933..3010		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101135	Strand	+
Start	59	End	2277
Name	OJ000204_23.0321.C26.o1.gs	Method	GENSCAN
Start	59	End	2277
GI	none	Score	.73
Exons	59..350, 403..540, 1145..1163, 1360..1465, 2240..2277		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101136	Strand	-
Start	2823	End	8639
Name	OJ000204_23.0321.C26.o2.gs	Method	GENSCAN
Start	2823	End	8337
GI	none	Score	.59
Exons	2823..3038, 3084..3204, 3439..3614, 5275..5633, 6195..8337		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101136	Strand	-
Start	2823	End	8639
Name	OJ000204_23.0321.C26.o1.np	Method	AAT/NAP
Start	6220	End	8639

GI	479356	Score	1922
Exons	6220..8639		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101137	Strand	-
Start	11240	End	17055
Name	OJ000204_23.0321.C26.o1.ts	Method	TBLASTX:Soybean
Start	6188	End	7071
GI	none	Score	67
Exons	6188..6373, 6235..6372, 6487..6603, 6488..6601, 6610..6978, 6635..6709, 6743..6919, 6991..7071		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101137	Strand	-
Start	11240	End	17055
Name	OJ000204_23.0321.C26.o1.tc	Method	TBLASTX:Cress
Start	6205	End	8257
GI	none	Score	88
Exons	6205..6360, 6481..6606, 6488..6616, 6610..6813, 6632..6781, 6829..7008, 6890..6919, 7031..7105, 7708..7884, 8110..8250, 8111..8257		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101137	Strand	-
Start	11240	End	17055
Name	OJ000204_23.0321.C26.o2.tm	Method	TBLASTX:Maize
Start	6453	End	7131
GI	none	Score	44
Exons	6453..6542, 6487..6603, 6488..6592, 6610..6978, 6617..6712, 6634..6720, 6743..6778, 6991..7071, 7075..7131		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101137	Strand	-
Start	11240	End	17055
Name	OJ000204_23.0321.C26.o1.tw	Method	TBLASTX:Wheat
Start	6535	End	6954
GI	none	Score	247
Exons	6535..6804, 6536..6805, 6813..6953, 6823..6954, 6824..6943, 6850..6951		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101137	Strand	-
Start	11240	End	17055
Name	OJ000204_23.0321.C26.o1.gp	Method	AAT/GAP
Start	10940	End	17055
GI	1015_2.R1084	Score	2536
Exons	10940..11413, 12017..12208, 13304..13379, 13483..13591, 15561..15675, 16622..17055		
GI Descrip.	'1218054/gb|AAA91806| 0.0e+00 (U49113) protein phosphatase 2A [Oryza sativa]'		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101137	Strand	-
Start	11240	End	17055
Name	OJ000204_23.0321.C26.o3.tm	Method	TBLASTX:Maize
Start	10957	End	15601

GI	none	Score	91
Exons	10957..11067, 10957..11010, 10961..11161, 10961..11077, 11104..11133, 11220..11414, 11237..11416, 11240..11416, 12015..12209, 12017..12211, 12017..12208, 13266..13334, 13276..13377, 13283..13324, 13323..13379, 13331..13378, 13470..13589, 13480..13590, 13487..13591, 13487..13591, 13488..13592, 15560..15601		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101137	Strand	-
Start	11240	End	17055
Name	OJ000204_23.0321.C26.o3.ts	Method	TBLASTX:Soybean
Start	11220	End	15676
GI	none	Score	236
Exons	11220..11414, 11237..11416, 11240..11416, 12015..12209, 12016..12210, 12017..12211, 12017..12208, 13276..13377, 13283..13324, 13323..13379, 13331..13381, 13480..13590, 13490..13591, 13505..13609, 15560..15676, 15560..15676		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101137	Strand	-
Start	11240	End	17055
Name	OJ000204_23.0321.C26.o2.tc	Method	TBLASTX:Cress
Start	11223	End	16878
GI	none	Score	241
Exons	11223..11414, 11224..11415, 11240..11416, 12013..12198, 12017..12208, 12021..12209, 13276..13380, 13283..13324, 13323..13379, 13472..13588, 13480..13599, 13480..13590, 15560..15676, 15561..15695, 16587..16874, 16624..16878		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101137	Strand	-
Start	11240	End	17055
Name	OJ000204_23.0321.C26.o3.gs	Method	GENSCAN
Start	11240	End	16874
GI	none	Score	.91
Exons	11240..11413, 12017..12208, 13187..13215, 13304..13379, 13483..13591, 15561..15705, 16622..16874		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101137	Strand	-
Start	11240	End	17055
Name	OJ000204_23.0321.C26.o2.np	Method	AAT/NAP
Start	11243	End	16874
GI	3859548	Score	1494
Exons	11243..11413, 12017..12208, 13304..13379, 13483..13591, 15561..15675, 16622..16874		
GI Descrip.	(AF097182) protein phosphatase 2A catalytic subunit [Oryza sativa]		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101137	Strand	-
Start	11240	End	17055
Name	OJ000204_23.0321.C26.o2.tw	Method	TBLASTX:Wheat
Start	11301	End	13591
GI	none	Score	162
Exons	11301..11417, 11301..11414, 11302..11415, 11303..11416,		

12017..12208, 12024..12209, 13273..13374, 13276..13383,
13323..13379, 13472..13591, 13480..13581, 13485..13589

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101137	Strand	-
Start	11240	End	17055
Name	OJ000204_23.0321.C26.o1.tm	Method	TBLASTX:Maize
Start	15602	End	16881
GI	none	Score	72
Exons	15602..15676, 15603..15677, 16587..16880, 16624..16881		

Seq. No.	47547	Seq. ID	OJ000204_23.0321.C26
Gene No.	101137	Strand	-
Start	11240	End	17055
Name	OJ000204_23.0321.C26.o2.ts	Method	TBLASTX:Soybean
Start	16617	End	16881
GI	none	Score	252
Exons	16617..16877, 16624..16881		

Seq. No.	47548	Seq. ID	OJ000204_23.0321.C27
Gene No.	101138	Strand	+
Start	1635	End	3069
Name	OJ000204_23.0321.C27.o1.gs	Method	GENSCAN
Start	1635	End	3069
GI	none	Score	.43
Exons	1635..1836, 2204..2319, 2887..3069		

Seq. No.	47548	Seq. ID	OJ000204_23.0321.C27
Gene No.	101139	Strand	+
Start	4101	End	11266
Name	OJ000204_23.0321.C27.o2.gs	Method	GENSCAN
Start	4101	End	9982
GI	none	Score	.5
Exons	4101..4153, 4441..4660, 5480..5899, 6006..6333, 6339..6710, 6874..7031, 7328..7515, 7918..7984, 8060..8110, 8683..8864, 9213..9318, 9396..9656, 9911..9982		

Seq. No.	47548	Seq. ID	OJ000204_23.0321.C27
Gene No.	101139	Strand	+
Start	4101	End	11266
Name	OJ000204_23.0321.C27.o3.np	Method	AAT/NAP
Start	5718	End	11266
GI	7485956	Score	924
Exons	5718..5920, 6006..6397, 6443..6830, 6917..7031, 7340..7515, 9213..9318, 9396..9656, 10367..10555, 11124..11266		
GI Descrip.	hypothetical protein F22I13.210 - Arabidopsis thaliana gi|4539352|emb|CAB37500.1| (AL035539) putative protein [Arabidopsis thaliana] gi|7270828|emb|CAB80509.1| (AL161593) putative protein [Arabidopsis thaliana]		

Seq. No.	47548	Seq. ID	OJ000204_23.0321.C27
Gene No.	101140	Strand	-
Start	573	End	6186
Name	OJ000204_23.0321.C27.o2.np	Method	AAT/NAP
Start	573	End	6186
GI	5042463	Score	160
Exons	573..598, 2074..2190, 3292..3456, 4119..4298, 6072..6186		

GI Descrip. (AC007789) unknown protein [Oryza sativa]

Seq. No.	47548	Seq. ID	OJ000204_23.0321.C27
Gene No.	101140	Strand	-
Start	573	End	6186
Name	OJ000204_23.0321.C27.o1.np	Method	AAT/NAP
Start	2077	End	2640
GI	7228450	Score	323
Exons	2077..2190, 2275..2414, 2555..2640		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	47549	Seq. ID	OJ000204_23.0321.C28
Gene No.	101141	Strand	+
Start	1	End	1466
Name	OJ000204_23.0321.C28.o1.np	Method	AAT/NAP
Start	1	End	1168
GI	7485878	Score	457
Exons	1..104, 162..434, 697..919, 995..1168		
GI Descrip.	hypothetical protein F20M13.10 - Arabidopsis thaliana gi|4467132|emb|CAB37501.1| (AL035540) putative protein [Arabidopsis thaliana]		

Seq. No.	47549	Seq. ID	OJ000204_23.0321.C28
Gene No.	101141	Strand	+
Start	1	End	1466
Name	OJ000204_23.0321.C28.o1.gs	Method	GENSCAN
Start	7	End	1162
GI	none	Score	.97
Exons	7..420, 716..919, 1007..1162		

Seq. No.	47549	Seq. ID	OJ000204_23.0321.C28
Gene No.	101141	Strand	+
Start	1	End	1466
Name	OJ000204_23.0321.C28.o1.gp	Method	AAT/GAP
Start	855	End	1466
GI	15327_1.R1084	Score	981
Exons	855..919, 1007..1466		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 9.0e-93 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47549	Seq. ID	OJ000204_23.0321.C28
Gene No.	101142	Strand	-
Start	1675	End	2708
Name	OJ000204_23.0321.C28.o2.tm	Method	TBLASTX:Maize
Start	1	End	230
GI	none	Score	145
Exons	1..123, 4..123, 135..230, 136..228		

Seq. No.	47549	Seq. ID	OJ000204_23.0321.C28
Gene No.	101142	Strand	-
Start	1675	End	2708
Name	OJ000204_23.0321.C28.o1.ts	Method	TBLASTX:Soybean
Start	7	End	773
GI	none	Score	70
Exons	7..81, 130..414, 165..422, 704..772, 705..773		

Seq. No.	47549	Seq. ID	OJ000204_23.0321.C28

Gene No.	101142	Strand	-
Start	1675	End	2708
Name	OJ000204_23.0321.C28.o1.tm	Method	TBLASTX:Maize
Start	723	End	1148
GI	none	Score	97
Exons	723..863, 724..864, 726..869, 728..871, 856..936, 860..937, 872..946, 1006..1068, 1010..1063, 1055..1141, 1057..1140, 1062..1148		

Seq. No.	47549	Seq. ID	OJ000204_23.0321.C28
Gene No.	101142	Strand	-
Start	1675	End	2708
Name	OJ000204_23.0321.C28.o2.gs	Method	GENSCAN
Start	1675	End	2708
GI	none	Score	.74
Exons	1675..1845, 2259..2305, 2549..2708		

Seq. No.	47550	Seq. ID	OJ000204_23.0321.C29
Gene No.	101143	Strand	+
Start	4244	End	9028
Name	OJ000204_23.0321.C29.o2.gs	Method	GENSCAN
Start	4244	End	9028
GI	none	Score	.5
Exons	4244..4392, 4870..5914, 6003..6643, 7253..7314, 7793..8153, 8674..8692, 8924..9028		

Seq. No.	47550	Seq. ID	OJ000204_23.0321.C29
Gene No.	101143	Strand	+
Start	4244	End	9028
Name	OJ000204_23.0321.C29.o1.np	Method	AAT/NAP
Start	5381	End	6650
GI	7488706	Score	917
Exons	5381..6650		
GI Descrip.	probable transposase - soybean transposon mariner element Soymar1 gi|3386534|gb|AAC28384.1| (AF078934) mariner transposase [Glycine max]		

Seq. No.	47550	Seq. ID	OJ000204_23.0321.C29
Gene No.	101143	Strand	+
Start	4244	End	9028
Name	OJ000204_23.0321.C29.o1.gp	Method	AAT/GAP
Start	7247	End	7328
GI	LIB3433-009-Q6-K1-F10	Score	83
Exons	7247..7328		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 9.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	47550	Seq. ID	OJ000204_23.0321.C29
Gene No.	101144	Strand	+
Start	9570	End	10070
Name	OJ000204_23.0321.C29.o3.gs	Method	GENSCAN
Start	9570	End	10070
GI	none	Score	.8
Exons	9570..9829, 9902..10070		

Seq. No.	47550	Seq. ID	OJ000204_23.0321.C29
Gene No.	101145	Strand	-

Start	1323	End	3252
Name	OJ000204_23.0321.C29.o1.gs	Method	GENSCAN
Start	1323	End	3252
GI	none	Score	.49
Exons	1323..1349, 3082..3252		

Seq. No.	47550	Seq. ID	OJ000204_23.0321.C29
Gene No.	101146	Strand	-
Start	11341	End	11426
Name	OJ000204_23.0321.C29.o1.tw	Method	TBLASTX:Wheat
Start	6153	End	6448
GI	none	Score	226
Exons	6153..6434, 6230..6448		

Seq. No.	47550	Seq. ID	OJ000204_23.0321.C29
Gene No.	101146	Strand	-
Start	11341	End	11426
Name	OJ000204_23.0321.C29.o4.gs	Method	GENSCAN
Start	11341	End	11426
GI	none	Score	.93
Exons	11341..11426		

Seq. No.	47551	Seq. ID	OJ000114_19.0307.C3
Gene No.	101147	Strand	+
Start	1	End	2355
Name	OJ000114_19.0307.C3.o1.np	Method	AAT/NAP
Start	1	End	2124
GI	3953471	Score	1066
Exons	1..37, 588..809, 836..959, 1057..1148, 1237..1342, 1536..1622, 1714..2124		
GI Descrip.	(AC002328) F22O2.16 [Arabidopsis thaliana]		

Seq. No.	47551	Seq. ID	OJ000114_19.0307.C3
Gene No.	101147	Strand	+
Start	1	End	2355
Name	OJ000114_19.0307.C3.o1.gs	Method	GENSCAN
Start	624	End	2127
GI	none	Score	.85
Exons	624..677, 849..959, 1536..1622, 1714..2127		

Seq. No.	47551	Seq. ID	OJ000114_19.0307.C3
Gene No.	101147	Strand	+
Start	1	End	2355
Name	OJ000114_19.0307.C3.o1.gp	Method	AAT/GAP
Start	753	End	932
GI	2796880	Score	340
Exons	753..932		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 9.0e-93 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	47551	Seq. ID	OJ000114_19.0307.C3
Gene No.	101147	Strand	+
Start	1	End	2355
Name	OJ000114_19.0307.C3.o2.gp	Method	AAT/GAP
Start	1671	End	2355
GI	89764_1.R1084	Score	1291
Exons	1671..2355		

GI Descrip. '3953471 6.0e-57 (AC002328) F22O2.16 [Arabidopsis thaliana]'

Seq. No.	47551	Seq. ID	OJ000114_19.0307.C3
Gene No.	101148	Strand	-
Start	2401	End	2884
Name	OJ000114_19.0307.C3.o1.ts	Method	TBLASTX:Soybean
Start	575	End	2118
GI	none	Score	116
Exons	575..724, 586..675, 692..721, 816..959, 1060..1146, 1235..1342, 1524..1655, 1547..1621, 1726..2118, 1731..2117		

Seq. No.	47551	Seq. ID	OJ000114_19.0307.C3
Gene No.	101148	Strand	-
Start	2401	End	2884
Name	OJ000114_19.0307.C3.o1.tm	Method	TBLASTX:Maize
Start	586	End	2126
GI	none	Score	146
Exons	586..720, 590..727, 846..959, 848..958, 1059..1136, 1060..1137, 1234..1338, 1235..1342, 1524..1622, 1541..1621, 1689..2126, 1698..1928, 1711..2118		

Seq. No.	47551	Seq. ID	OJ000114_19.0307.C3
Gene No.	101148	Strand	-
Start	2401	End	2884
Name	OJ000114_19.0307.C3.o2.tc	Method	TBLASTX:Cress
Start	598	End	1622
GI	none	Score	141
Exons	598..726, 599..727, 846..959, 848..958, 876..959, 1060..1146, 1230..1331, 1234..1338, 1235..1342, 1500..1613, 1524..1622, 1541..1621		

Seq. No.	47551	Seq. ID	OJ000114_19.0307.C3
Gene No.	101148	Strand	-
Start	2401	End	2884
Name	OJ000114_19.0307.C3.o2.tw	Method	TBLASTX:Wheat
Start	1304	End	1875
GI	none	Score	49
Exons	1304..1342, 1524..1670, 1538..1621, 1689..1874, 1698..1853, 1711..1875, 1711..1875		

Seq. No.	47551	Seq. ID	OJ000114_19.0307.C3
Gene No.	101148	Strand	-
Start	2401	End	2884
Name	OJ000114_19.0307.C3.o1.tc	Method	TBLASTX:Cress
Start	1741	End	2097
GI	none	Score	143
Exons	1741..1824, 1746..1877, 1819..2073, 1820..2035, 1825..2097, 1826..2077, 1827..2078		

Seq. No.	47551	Seq. ID	OJ000114_19.0307.C3
Gene No.	101148	Strand	-
Start	2401	End	2884
Name	OJ000114_19.0307.C3.o1.tw	Method	TBLASTX:Wheat
Start	1876	End	2127
GI	none	Score	304
Exons	1876..2127, 1881..2126		

Seq. No.	47551	Seq. ID	OJ000114_19.0307.C3
Gene No.	101148	Strand	-
Start	2401	End	2884
Name	OJ000114_19.0307.C3.o2.np	Method	AAT/NAP
Start	2401	End	2884
GI	5257273	Score	415
Exons	2401..2524, 2751..2884		
GI Descrip.	(AP000364) Similar to myristoylated alanine-rich C-kinase substrate. (P26645) [Oryza sativa]		

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4
Gene No.	101149	Strand	+
Start	163	End	981
Name	OJ000114_19.0307.C4.o1.gs	Method	GENSCAN
Start	163	End	981
GI	none	Score	.85
Exons	163..357, 419..534, 572..696, 817..981		

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4
Gene No.	101150	Strand	+
Start	3784	End	6245
Name	OJ000114_19.0307.C4.o2.np	Method	AAT/NAP
Start	3784	End	5302
GI	7340860	Score	63
Exons	3784..3885, 5273..5302		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4
Gene No.	101150	Strand	+
Start	3784	End	6245
Name	OJ000114_19.0307.C4.o3.np	Method	AAT/NAP
Start	4833	End	6245
GI	5257274	Score	674
Exons	4833..4980, 6001..6245		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4
Gene No.	101151	Strand	+
Start	6359	End	7120
Name	OJ000114_19.0307.C4.o1.gp	Method	AAT/GAP
Start	6359	End	7120
GI	15242_1.R1084	Score	1352
Exons	6359..7120		
GI Descrip.	'5257275/dbj|BAA81774.1| 7.0e-48 (AP000364) ESTs AU030740(E60171),AU030739(E60171) correspond to a region of the predicted gene.; Similar to Populus tremuloides caffeoyl-CoA 3-O-methyltransferase. (U27116) [Oryza sativa]'		

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4
Gene No.	101152	Strand	+
Start	9620	End	9894
Name	OJ000114_19.0307.C4.o5.np	Method	AAT/NAP
Start	9620	End	9894
GI	5257276	Score	473
Exons	9620..9894		
GI Descrip.	(AP000364) Similar to Mycobacterium tuberculosis cosmid		

SCY13E10. (Z95324) [Oryza sativa]

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4
Gene No.	101153	Strand	-
Start	1	End	9710
Name	OJ000114_19.0307.C4.o1.np	Method	AAT/NAP
Start	1	End	3391
GI	5257273	Score	1949
Exons	1..172, 410..645, 2610..3391		
GI Descrip.	(AP000364) Similar to myristoylated alanine-rich C-kinase substrate. (P26645) [Oryza sativa]		

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4
Gene No.	101153	Strand	-
Start	1	End	9710
Name	OJ000114_19.0307.C4.o2.tm	Method	TBLASTX:Maize
Start	1375	End	2633
GI	none	Score	89
Exons	1375..1542, 1376..1591, 1378..1767, 1588..1767, 2534..2632, 2553..2633		

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4
Gene No.	101153	Strand	-
Start	1	End	9710
Name	OJ000114_19.0307.C4.o2.gs	Method	GENSCAN
Start	1384	End	9710
GI	none	Score	.64
Exons	1384..1916, 2557..3529, 3857..3946, 4620..4695, 4937..5045, 5829..6097, 6758..7333, 7422..7501, 7613..7755, 9578..9710		

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4
Gene No.	101153	Strand	-
Start	1	End	9710
Name	OJ000114_19.0307.C4.o1.tm	Method	TBLASTX:Maize
Start	6733	End	7696
GI	none	Score	224
Exons	6733..7002, 6770..7003, 7102..7335, 7102..7332, 7421..7504, 7421..7528, 7423..7533, 7613..7696		

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4
Gene No.	101153	Strand	-
Start	1	End	9710
Name	OJ000114_19.0307.C4.o1.tc	Method	TBLASTX:Cress
Start	6748	End	7504
GI	none	Score	77
Exons	6748..6870, 6892..7002, 6905..7003, 7102..7296, 7118..7261, 7436..7504		

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4
Gene No.	101153	Strand	-
Start	1	End	9710
Name	OJ000114_19.0307.C4.o1.ts	Method	TBLASTX:Soybean
Start	6754	End	7528
GI	none	Score	48
Exons	6754..7002, 6908..7003, 7102..7326, 7118..7261, 7421..7528		

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4

Gene No.	101153	Strand	-
Start	1	End	9710
Name	OJ000114_19.0307.C4.o4.np	Method	AAT/NAP
Start	6757	End	7711
GI	5257275	Score	1231
Exons	6757..7333, 7422..7501, 7613..7711		
GI Descrip.	(AP000364) ESTs AU030740(E60171),AU030739(E60171) correspond to a region of the predicted gene.; Similar to Populus tremuloides caffeoyl-CoA 3-O-methyltransferase. (U27116) [Oryza sativa]		

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4
Gene No.	101153	Strand	-
Start	1	End	9710
Name	OJ000114_19.0307.C4.o2.gp	Method	AAT/GAP
Start	7064	End	7777
GI	702354	Score	754
Exons	7064..7299, 7453..7501, 7613..7777		
GI Descrip.	5257275/dbj|BAA81774.1| 7.0e-48 (AP000364) ESTs AU030740(E60171),AU030739(E60171) correspond to a region of the predicted gene.; Similar to Populus tremuloides caffeoyl-CoA 3-O-methyltransferase. (U27116) [Oryza sativa]		

Seq. No.	47552	Seq. ID	OJ000114_19.0307.C4
Gene No.	101153	Strand	-
Start	1	End	9710
Name	OJ000114_19.0307.C4.o1.tw	Method	TBLASTX:Wheat
Start	7099	End	7681
GI	none	Score	201
Exons	7099..7335, 7102..7332, 7394..7501, 7421..7528, 7616..7642, 7616..7681		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101154	Strand	+
Start	209	End	681
Name	OJ000114_19.0307.C5.o1.gs	Method	GENSCAN
Start	209	End	681
GI	none	Score	.48
Exons	209..285, 552..681		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101155	Strand	+
Start	1899	End	2259
Name	OJ000114_19.0307.C5.o1.np	Method	AAT/NAP
Start	1899	End	2259
GI	5257276	Score	485
Exons	1899..2040, 2069..2259		
GI Descrip.	(AP000364) Similar to Mycobacterium tuberculosis cosmid SCY13E10. (Z95324) [Oryza sativa]		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101156	Strand	+
Start	2759	End	3373
Name	OJ000114_19.0307.C5.o1.gp	Method	AAT/GAP
Start	2759	End	3373
GI	2804_1.R1084	Score	1210
Exons	2759..3373		
GI Descrip.	'5257277/dbj|BAA81776.1| 4.0e-32 (AP000364) ESTs		

C98431(E0144),C71728(E0144) correspond to a region of the predicted gene.; Similar to Medicago sativa S-adenosyl-L-methionine. (U20736) [Oryza sativa]'

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101157	Strand	+
Start	13393	End	13501
Name	OJ000114_19.0307.C5.o4.gp	Method	AAT/GAP
Start	13393	End	13501
GI	uC-osflcyp088b12b1	Score	157
Exons	13393..13501		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101158	Strand	+
Start	14320	End	15836
Name	OJ000114_19.0307.C5.o5.np	Method	AAT/NAP
Start	14320	End	15836
GI	7248392	Score	404
Exons	14320..14400, 15147..15578, 15711..15836		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101159	Strand	-
Start	3129	End	7132
Name	OJ000114_19.0307.C5.o2.np	Method	AAT/NAP
Start	3129	End	4339
GI	5257277	Score	1234
Exons	3129..3419, 3504..3780, 4013..4092, 4208..4339		
GI Descrip.	(AP000364) ESTs C98431(E0144),C71728(E0144) correspond to a region of the predicted gene.; Similar to Medicago sativa S-adenosyl-L-methionine. (U20736) [Oryza sativa]		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101159	Strand	-
Start	3129	End	7132
Name	OJ000114_19.0307.C5.o2.gp	Method	AAT/GAP
Start	3602	End	7132
GI	5959_1.R1084	Score	1018
Exons	3602..3780, 4013..4092, 4208..4385, 7027..7132		
GI Descrip.	'5257277/dbj|BAA81776.1| 7.0e-64 (AP000364) ESTs C98431(E0144),C71728(E0144) correspond to a region of the predicted gene.; Similar to Medicago sativa S-adenosyl-L-methionine. (U20736) [Oryza sativa]'		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101160	Strand	-
Start	7528	End	8440
Name	OJ000114_19.0307.C5.o3.np	Method	AAT/NAP
Start	7528	End	8440
GI	5257278	Score	1145
Exons	7528..8092, 8175..8254, 8384..8440		
GI Descrip.	(AP000364) Similar to Petroselinum crispum caffeoyl-CoA 3-O-methyltransferase. (S49342) [Oryza sativa]		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5

Gene No.	101161	Strand	-
Start	10478	End	15901
Name	OJ000114_19.0307.C5.o2.tm	Method	TBLASTX:Maize
Start	3102	End	8257
GI	none	Score	120
Exons	3102..3308, 3102..3413, 3148..3408, 3486..3779, 3520..3780, 4018..4095, 4018..4095, 4208..4252, 7521..7586, 7531..7587, 7531..7611, 7655..7705, 7660..7809, 7681..7746, 7768..8088, 7772..8089, 7819..8097, 8195..8257		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101161	Strand	-
Start	10478	End	15901
Name	OJ000114_19.0307.C5.o1.tc	Method	TBLASTX:Cress
Start	3117	End	8067
GI	none	Score	111
Exons	3117..3272, 3252..3404, 3510..3716, 3550..3717, 4027..4095, 7519..7668, 7666..7824, 7822..8067, 7862..8056		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101161	Strand	-
Start	10478	End	15901
Name	OJ000114_19.0307.C5.o1.ts	Method	TBLASTX:Soybean
Start	3126	End	8257
GI	none	Score	73
Exons	3126..3419, 3148..3420, 3486..3773, 3520..3717, 4018..4095, 7531..7647, 7660..7812, 7804..8091, 7862..8074, 8177..8257, 8178..8255		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101161	Strand	-
Start	10478	End	15901
Name	OJ000114_19.0307.C5.o2.tw	Method	TBLASTX:Wheat
Start	3191	End	8254
GI	none	Score	223
Exons	3191..3289, 3510..3779, 3520..3720, 3997..4062, 4018..4092, 4211..4240, 4278..4349, 7539..7613, 7822..8088, 7859..8086, 8153..8224, 8177..8254		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101161	Strand	-
Start	10478	End	15901
Name	OJ000114_19.0307.C5.o3.gp	Method	AAT/GAP
Start	10017	End	10537
GI	LIB3434-038-P1-K1-F1	Score	773
Exons	10017..10537		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101161	Strand	-
Start	10478	End	15901
Name	OJ000114_19.0307.C5.o3.gs	Method	GENSCAN
Start	10478	End	15852
GI	none	Score	.44
Exons	10478..10496, 12015..12219, 12600..13196, 14981..15069, 15198..15462, 15555..15626, 15687..15852		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101161	Strand	-
Start	10478	End	15901
Name	OJ000114_19.0307.C5.o4.np	Method	AAT/NAP
Start	11999	End	15901
GI	5257279	Score	1361
Exons	11999..12219, 12600..13196, 15881..15901		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101161	Strand	-
Start	10478	End	15901
Name	OJ000114_19.0307.C5.o1.tm	Method	TBLASTX:Maize
Start	12427	End	13011
GI	none	Score	240
Exons	12427..12855, 12431..12853, 12849..12995, 12853..13011, 12857..13009		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101161	Strand	-
Start	10478	End	15901
Name	OJ000114_19.0307.C5.o3.tw	Method	TBLASTX:Wheat
Start	12430	End	12568
GI	none	Score	81
Exons	12430..12567, 12431..12568		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101161	Strand	-
Start	10478	End	15901
Name	OJ000114_19.0307.C5.o1.tw	Method	TBLASTX:Wheat
Start	12568	End	13194
GI	none	Score	316
Exons	12568..13194, 12569..13192		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101161	Strand	-
Start	10478	End	15901
Name	OJ000114_19.0307.C5.o3.tm	Method	TBLASTX:Maize
Start	13012	End	13236
GI	none	Score	203
Exons	13012..13236, 13016..13234		

Seq. No.	47553	Seq. ID	OJ000114_19.0307.C5
Gene No.	101161	Strand	-
Start	10478	End	15901
Name	OJ000114_19.0307.C5.o6.np	Method	AAT/NAP
Start	13741	End	15901
GI	6907087	Score	71
Exons	13741..13798, 15123..15195, 15555..15901		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47554	Seq. ID	OJ000114_19.0307.C6
Gene No.	101162	Strand	-

Start	1644	End	1787
Name	OJ000114_19.0307.C6.o1.gs	Method	GENSCAN
Start	1644	End	1787
GI	none	Score	.62
Exons	1644..1787		

Seq. No.	47554	Seq. ID	OJ000114_19.0307.C6
Gene No.	101163	Strand	-
Start	2103	End	2212
Name	OJ000114_19.0307.C6.o1.gp	Method	AAT/GAP
Start	2103	End	2212
GI	uC-osflcyp088b12b1	Score	149
Exons	2103..2212		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101164	Strand	+
Start	9511	End	9955
Name	OJ000114_19.0307.C8.o3.gp	Method	AAT/GAP
Start	9511	End	9955
GI	none	Score	826
Exons	9511..9955		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101165	Strand	+
Start	9882	End	10432
Name	OJ000114_19.0307.C8.o4.gp	Method	AAT/GAP
Start	9882	End	10432
GI	none	Score	953
Exons	9882..10432		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101166	Strand	+
Start	11752	End	12141
Name	OJ000114_19.0307.C8.o3.gs	Method	GENSCAN
Start	11752	End	12141
GI	none	Score	.67
Exons	11752..12141		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101167	Strand	+
Start	22794	End	25542
Name	OJ000114_19.0307.C8.o6.gs	Method	GENSCAN
Start	22794	End	25542
GI	none	Score	.96
Exons	22794..23225, 23496..23657, 23823..24565, 24653..24838, 25041..25542		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101167	Strand	+
Start	22794	End	25542
Name	OJ000114_19.0307.C8.o3.np	Method	AAT/NAP
Start	23841	End	25539
GI	6174838	Score	668
Exons	23841..24594, 24709..24838, 25041..25539		
GI Descrip.	(AB026890) transcription factor NtWRKY4 [Nicotiana tabacum]		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101167	Strand	+
Start	22794	End	25542
Name	OJ000114_19.0307.C8.o5.gp	Method	AAT/GAP
Start	24754	End	25407
GI	LIB3432-012-P1-K1-F1	Score	791
Exons	24754..24838, 25041..25407		
GI Descrip.	'927025 5.0e-31 (L44134) SPF1-like DNA-binding protein [Cucumis sativus]'		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101168	Strand	-
Start	662	End	5518
Name	OJ000114_19.0307.C8.o1.gs	Method	GENSCAN
Start	662	End	5518
GI	none	Score	.42
Exons	662..1074, 1076..2039, 2128..2306, 3868..3894, 4556..4679, 4868..5036, 5268..5518		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101168	Strand	-
Start	662	End	5518
Name	OJ000114_19.0307.C8.o1.gp	Method	AAT/GAP
Start	3398	End	3947
GI	none	Score	1063
Exons	3398..3947		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101169	Strand	-
Start	6339	End	7080
Name	OJ000114_19.0307.C8.o2.gs	Method	GENSCAN
Start	6339	End	7080
GI	none	Score	.66
Exons	6339..6514, 6618..7080		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101170	Strand	-
Start	8176	End	8324
Name	OJ000114_19.0307.C8.o2.gp	Method	AAT/GAP
Start	8176	End	8324
GI	5003458	Score	255
Exons	8176..8324		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101171	Strand	-
Start	13337	End	14497
Name	OJ000114_19.0307.C8.o4.gs	Method	GENSCAN
Start	13337	End	14497
GI	none	Score	.57
Exons	13337..14497		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101171	Strand	-
Start	13337	End	14497
Name	OJ000114_19.0307.C8.o2.np	Method	AAT/NAP
Start	13406	End	14497

GI	5257262	Score	892
Exons	13406..13498, 13655..14497		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101172	Strand	-
Start	15462	End	22218
Name	OJ000114_19.0307.C8.o5.gs	Method	GENSCAN
Start	15462	End	22218
GI	none	Score	.73
Exons	15462..15601, 15836..15939, 16405..16434, 17642..17758, 17931..18055, 21744..21851, 21886..22218		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101173	Strand	-
Start	25911	End	30315
Name	OJ000114_19.0307.C8.o7.gs	Method	GENSCAN
Start	25911	End	30131
GI	none	Score	.73
Exons	25911..25989, 26368..26467, 27292..27475, 27685..27909, 28017..28247, 28528..28841, 29384..29578, 29864..30131		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101173	Strand	-
Start	25911	End	30315
Name	OJ000114_19.0307.C8.o4.np	Method	AAT/NAP
Start	26338	End	30315
GI	3953478	Score	1986
Exons	26338..26467, 27243..27591, 27753..27909, 28017..28247, 28344..28448, 28528..28982, 29384..29578, 29864..30315		
GI Descrip.	(AC002328) F22O2.23 [Arabidopsis thaliana]		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o2.tw	Method	TBLASTX:Wheat
Start	13661	End	14020
GI	none	Score	97
Exons	13661..13915, 13701..13898, 13940..14020		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o5.tm	Method	TBLASTX:Maize
Start	23018	End	24844
GI	none	Score	224
Exons	23018..23212, 23019..23219, 23035..23214, 23489..23563, 23496..23576, 23550..23657, 23553..23657, 23865..24002, 23873..23959, 24057..24128, 24339..24506, 24672..24842, 24672..24839, 24688..24840, 24695..24841, 24707..24844		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o4.ts	Method	TBLASTX:Soybean
Start	23997	End	25164
GI	none	Score	195

Exons	23997..24161, 24047..24160, 24156..24245, 24158..24208, 24776..24835, 24777..24842, 25039..25098, 25129..25164		
Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o1.tc	Method	TBLASTX:Cress
Start	24050	End	25158
GI	none	Score	176
Exons	24050..24160, 24051..24161, 24052..24162, 24156..24245, 24158..24208, 24776..24835, 24777..24842, 25039..25098, 25129..25158		
Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o3.tw	Method	TBLASTX:Wheat
Start	24056	End	25198
GI	none	Score	139
Exons	24056..24160, 24057..24161, 24171..24230, 24717..24842, 24728..24835, 25039..25167, 25041..25166, 25042..25167, 25043..25198		
Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o6.tm	Method	TBLASTX:Maize
Start	25039	End	25440
GI	none	Score	203
Exons	25039..25170, 25041..25211, 25042..25212, 25043..25246, 25317..25358, 25411..25440		
Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o2.tc	Method	TBLASTX:Cress
Start	27242	End	27919
GI	none	Score	82
Exons	27242..27484, 27321..27425, 27751..27912, 27758..27919		
Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o1.tm	Method	TBLASTX:Maize
Start	27294	End	28245
GI	none	Score	226
Exons	27294..27473, 27315..27476, 27323..27475, 27697..27912, 27719..27919, 28010..28204, 28014..28214, 28016..28204, 28138..28206, 28209..28244, 28209..28244, 28210..28245, 28210..28245		
Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o1.ts	Method	TBLASTX:Soybean
Start	28212	End	28779
GI	5342530	Score	57

Exons	28212..28265, 28213..28248, 28344..28445, 28344..28445, 28367..28453, 28528..28779, 28544..28777, 28552..28779		
GI Descrip.	3953478 4.0e-59 (AC002328) F22O2.23 [Arabidopsis thaliana]		
Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o2.tm	Method	TBLASTX:Maize
Start	28377	End	28786
GI	none	Score	49
Exons	28377..28469, 28396..28470, 28501..28782, 28505..28786, 28529..28786		
Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o1.tw	Method	TBLASTX:Wheat
Start	28757	End	29555
GI	none	Score	359
Exons	28757..28981, 28757..28978, 28759..28998, 28917..28994, 29407..29523, 29407..29514, 29409..29552, 29526..29555, 29530..29553		
Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o3.ts	Method	TBLASTX:Soybean
Start	28876	End	29663
GI	none	Score	81
Exons	28876..28989, 29370..29663, 29384..29539, 29386..29586		
Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o3.tm	Method	TBLASTX:Maize
Start	29387	End	29591
GI	none	Score	71
Exons	29387..29518, 29388..29591, 29389..29580, 29442..29588		
Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o4.tm	Method	TBLASTX:Maize
Start	29979	End	30284
GI	none	Score	73
Exons	29979..30038, 29980..30036, 29980..30045, 29982..30038, 30042..30119, 30042..30122, 30047..30142, 30056..30142, 30161..30268, 30162..30284, 30162..30269, 30163..30270		
Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o2.ts	Method	TBLASTX:Soybean
Start	29986	End	30279
GI	none	Score	106
Exons	29986..30099, 29988..30260, 29989..30279, 29994..30119, 30178..30261		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o8.gs	Method	GENSCAN
Start	30981	End	31658
GI	none	Score	.69
Exons	30981..31520, 31584..31658		

Seq. No.	47555	Seq. ID	OJ000114_19.0307.C8
Gene No.	101174	Strand	-
Start	30981	End	31658
Name	OJ000114_19.0307.C8.o5.np	Method	AAT/NAP
Start	31077	End	31658
GI	7510074	Score	85
Exons	31077..31658		
GI Descrip.	hypothetical protein Y50E8A.g - Caenorhabditis elegans		

Seq. No.	47556	Seq. ID	OJ000114_19.0307.C9
Gene No.	101175	Strand	+
Start	10864	End	12465
Name	OJ000114_19.0307.C9.o2.gs	Method	GENSCAN
Start	10864	End	12465
GI	none	Score	.62
Exons	10864..10882, 12043..12239, 12322..12465		

Seq. No.	47556	Seq. ID	OJ000114_19.0307.C9
Gene No.	101176	Strand	+
Start	17068	End	21141
Name	OJ000114_19.0307.C9.o2.np	Method	AAT/NAP
Start	17068	End	21141
GI	5257280	Score	1875
Exons	17068..18035, 20973..21141		
GI Descrip.	(AP000364) Similar to neurofilament triplet M protein. (P07197) [Oryza sativa]		

Seq. No.	47556	Seq. ID	OJ000114_19.0307.C9
Gene No.	101177	Strand	-
Start	27	End	5529
Name	OJ000114_19.0307.C9.o1.gs	Method	GENSCAN
Start	27	End	5529
GI	none	Score	.95
Exons	27..623, 1305..1450, 1995..2107, 2370..2499, 2580..5529		

Seq. No.	47556	Seq. ID	OJ000114_19.0307.C9
Gene No.	101177	Strand	-
Start	27	End	5529
Name	OJ000114_19.0307.C9.o1.np	Method	AAT/NAP
Start	2551	End	5420
GI	7452431	Score	1451
Exons	2551..4370, 4398..5420		
GI Descrip.	hypothetical protein F16G20.140 - Arabidopsis thaliana gi|3451069|emb|CAA20465.1| (AL031326) hypothetical protein [Arabidopsis thaliana] gi|7269192|emb|CAB79299.1| (AL161559) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47556	Seq. ID	OJ000114_19.0307.C9

Gene No.	101178	Strand	-
Start	13044	End	15609
Name	OJ000114_19.0307.C9.o3.tm	Method	TBLASTX:Maize
Start	2587	End	2991
GI	none	Score	116
Exons	2587..2778, 2860..2991		

Seq. No.	47556	Seq. ID	OJ000114_19.0307.C9
Gene No.	101178	Strand	-
Start	13044	End	15609
Name	OJ000114_19.0307.C9.o2.tm	Method	TBLASTX:Maize
Start	2998	End	3382
GI	none	Score	507
Exons	2998..3330, 2999..3331, 3024..3332, 3025..3333, 3329..3382, 3332..3382		

Seq. No.	47556	Seq. ID	OJ000114_19.0307.C9
Gene No.	101178	Strand	-
Start	13044	End	15609
Name	OJ000114_19.0307.C9.o1.tm	Method	TBLASTX:Maize
Start	3383	End	3823
GI	none	Score	355
Exons	3383..3655, 3383..3745, 3385..3822, 3412..3819, 3453..3821, 3728..3823		

Seq. No.	47556	Seq. ID	OJ000114_19.0307.C9
Gene No.	101178	Strand	-
Start	13044	End	15609
Name	OJ000114_19.0307.C9.o1.ts	Method	TBLASTX:Soybean
Start	3539	End	3828
GI	none	Score	103
Exons	3539..3643, 3544..3828, 3545..3652, 3550..3735, 3761..3826		

Seq. No.	47556	Seq. ID	OJ000114_19.0307.C9
Gene No.	101178	Strand	-
Start	13044	End	15609
Name	OJ000114_19.0307.C9.o1.tc	Method	TBLASTX:Cress
Start	4591	End	5220
GI	none	Score	41
Exons	4591..4992, 4605..4664, 4606..4821, 4730..4975, 4993..5109, 5137..5220		

Seq. No.	47556	Seq. ID	OJ000114_19.0307.C9
Gene No.	101178	Strand	-
Start	13044	End	15609
Name	OJ000114_19.0307.C9.o3.gs	Method	GENSCAN
Start	13044	End	15609
GI	none	Score	.69
Exons	13044..13267, 15513..15609		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o1.gs	Method	GENSCAN
Start	938	End	5482
GI	none	Score	.45
Exons	938..1483, 1832..2067, 2693..3182, 3192..4447, 4585..4667,		

4716..5482

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o1.np	Method	AAT/NAP
Start	938	End	1208
GI	5257279	Score	452
Exons	938..1208		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o2.np	Method	AAT/NAP
Start	938	End	5989
GI	5257279	Score	6260
Exons	938..1483, 1832..2067, 2693..5413, 5630..5800, 5913..5989		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o6.tw	Method	TBLASTX:Wheat
Start	2586	End	2972
GI	none	Score	156
Exons	2586..2801, 2609..2791, 2826..2972		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o5.tm	Method	TBLASTX:Maize
Start	3519	End	3842
GI	none	Score	217
Exons	3519..3842, 3566..3667		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o5.tw	Method	TBLASTX:Wheat
Start	3524	End	3902
GI	none	Score	143
Exons	3524..3655, 3525..3746, 3525..3683, 3744..3896, 3780..3902, 3791..3901		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o3.tw	Method	TBLASTX:Wheat
Start	4070	End	4500
GI	none	Score	451
Exons	4070..4381, 4074..4454, 4134..4391, 4409..4453, 4456..4500, 4458..4490		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10

Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o2.tm	Method	TBLASTX:Maize
Start	4083	End	4375
GI	none	Score	363
Exons	4083..4373, 4085..4375		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o3.tm	Method	TBLASTX:Maize
Start	4493	End	4945
GI	none	Score	100
Exons	4493..4624, 4547..4615, 4610..4945, 4699..4824, 4852..4899		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o1.ts	Method	TBLASTX:Soybean
Start	4499	End	4894
GI	none	Score	54
Exons	4499..4531, 4535..4894, 4535..4684, 4537..4893		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o4.tw	Method	TBLASTX:Wheat
Start	4607	End	4909
GI	none	Score	376
Exons	4607..4909, 4607..4834, 4609..4893		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o1.tw	Method	TBLASTX:Wheat
Start	4910	End	5413
GI	none	Score	632
Exons	4910..5413, 4919..5326, 4945..5331		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o2.ts	Method	TBLASTX:Soybean
Start	4916	End	5161
GI	none	Score	216
Exons	4916..5161, 4945..5160		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o1.tm	Method	TBLASTX:Maize
Start	4982	End	5335
GI	none	Score	467
Exons	4982..5335, 4984..5331, 4985..5275		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+

Start	938	End	5989
Name	OJ000114_19.0307.C10.o2.tw	Method	TBLASTX:Wheat
Start	5413	End	5890
GI	none	Score	527
Exons	5413..5874, 5414..5890		

Seq. No.	47557	Seq. ID	OJ000114_19.0307.C10
Gene No.	101179	Strand	+
Start	938	End	5989
Name	OJ000114_19.0307.C10.o4.tm	Method	TBLASTX:Maize
Start	5552	End	5869
GI	none	Score	248
Exons	5552..5869, 5662..5706, 5764..5865		

Seq. No.	47558	Seq. ID	OJ000114_15.0310.C2
Gene No.	101180	Strand	+
Start	2319	End	5268
Name	OJ000114_15.0310.C2.o1.gs	Method	GENSCAN
Start	2319	End	5268
GI	none	Score	.48
Exons	2319..2525, 2616..2895, 2994..3093, 4348..4691, 4963..5072, 5236..5268		

Seq. No.	47558	Seq. ID	OJ000114_15.0310.C2
Gene No.	101181	Strand	-
Start	2569	End	2899
Name	OJ000114_15.0310.C2.o2.gp	Method	AAT/GAP
Start	2569	End	2899
GI	69014_1.R1084	Score	601
Exons	2569..2899		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	47558	Seq. ID	OJ000114_15.0310.C2
Gene No.	101182	Strand	-
Start	7139	End	8246
Name	OJ000114_15.0310.C2.o2.gs	Method	GENSCAN
Start	7139	End	8246
GI	none	Score	.77
Exons	7139..7521, 7940..8246		

Seq. No.	47558	Seq. ID	OJ000114_15.0310.C2
Gene No.	101183	Strand	-
Start	9810	End	10566
Name	OJ000114_15.0310.C2.o3.gs	Method	GENSCAN
Start	9810	End	10566
GI	none	Score	.93
Exons	9810..9899, 10564..10566		

Seq. No.	47559	Seq. ID	OJ000114_15.0310.C3
Gene No.	101184	Strand	+
Start	4107	End	9429
Name	OJ000114_15.0310.C3.o3.np	Method	AAT/NAP
Start	4107	End	9429
GI	5852175	Score	91
Exons	4107..4166, 7601..7737, 8152..8249, 8689..8745, 9321..9429		

GI Descrip. (AL117265) zhb0005.1 [Oryza sativa]

Seq. No.	47559	Seq. ID	OJ000114_15.0310.C3
Gene No.	101184	Strand	+
Start	4107	End	9429
Name	OJ000114_15.0310.C3.o2.np	Method	AAT/NAP
Start	8010	End	8218
GI	6016874	Score	241
Exons	8010..8218		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	47559	Seq. ID	OJ000114_15.0310.C3
Gene No.	101185	Strand	+
Start	10673	End	11166
Name	OJ000114_15.0310.C3.o2.gp	Method	AAT/GAP
Start	10673	End	11166
GI	576771	Score	808
Exons	10673..10929, 10956..11166		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	47559	Seq. ID	OJ000114_15.0310.C3
Gene No.	101186	Strand	-
Start	3679	End	7796
Name	OJ000114_15.0310.C3.o2.gs	Method	GENSCAN
Start	3679	End	7796
GI	none	Score	.51
Exons	3679..3810, 3920..4012, 4182..4697, 5332..5704, 5945..6157, 7396..7796		

Seq. No.	47559	Seq. ID	OJ000114_15.0310.C3
Gene No.	101187	Strand	-
Start	9728	End	10923
Name	OJ000114_15.0310.C3.o1.tw	Method	TBLASTX:Wheat
Start	5674	End	6042
GI	none	Score	135
Exons	5674..6042, 5725..6036		

Seq. No.	47559	Seq. ID	OJ000114_15.0310.C3
Gene No.	101187	Strand	-
Start	9728	End	10923
Name	OJ000114_15.0310.C3.o3.gs	Method	GENSCAN
Start	9728	End	10923
GI	none	Score	.88
Exons	9728..9742, 10097..10217, 10883..10923		

Seq. No.	47560	Seq. ID	OJ000114_15.0310.C4
Gene No.	101188	Strand	+
Start	3690	End	5759
Name	OJ000114_15.0310.C4.o1.np	Method	AAT/NAP
Start	3690	End	5759
GI	6069646	Score	855
Exons	3690..4491, 4780..5759		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to		

Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	47560	Seq. ID	OJ000114_15.0310.C4
Gene No.	101189	Strand	-
Start	364	End	5659
Name	OJ000114_15.0310.C4.o1.gs	Method	GENSCAN
Start	364	End	5415
GI	none	Score	.43
Exons	364..435, 509..820, 2614..2753, 3489..3563, 5237..5415		

Seq. No.	47560	Seq. ID	OJ000114_15.0310.C4
Gene No.	101189	Strand	-
Start	364	End	5659
Name	OJ000114_15.0310.C4.o4.tm	Method	TBLASTX:Maize
Start	3098	End	3376
GI	none	Score	217
Exons	3098..3376, 3103..3315		

Seq. No.	47560	Seq. ID	OJ000114_15.0310.C4
Gene No.	101189	Strand	-
Start	364	End	5659
Name	OJ000114_15.0310.C4.o2.tm	Method	TBLASTX:Maize
Start	3692	End	4012
GI	none	Score	317
Exons	3692..4012, 3697..3912		

Seq. No.	47560	Seq. ID	OJ000114_15.0310.C4
Gene No.	101189	Strand	-
Start	364	End	5659
Name	OJ000114_15.0310.C4.o2.tw	Method	TBLASTX:Wheat
Start	3692	End	4027
GI	none	Score	150
Exons	3692..3943, 3950..4027		

Seq. No.	47560	Seq. ID	OJ000114_15.0310.C4
Gene No.	101189	Strand	-
Start	364	End	5659
Name	OJ000114_15.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	4013	End	4711
GI	none	Score	448
Exons	4013..4180, 4024..4215, 4079..4711, 4441..4710		

Seq. No.	47560	Seq. ID	OJ000114_15.0310.C4
Gene No.	101189	Strand	-
Start	364	End	5659
Name	OJ000114_15.0310.C4.o1.tw	Method	TBLASTX:Wheat
Start	4355	End	4798
GI	none	Score	200
Exons	4355..4648, 4748..4798		

Seq. No.	47560	Seq. ID	OJ000114_15.0310.C4
Gene No.	101189	Strand	-
Start	364	End	5659
Name	OJ000114_15.0310.C4.o3.tm	Method	TBLASTX:Maize
Start	4774	End	5056

GI	none	Score	185
Exons	4774..4896, 4775..4954, 4967..5056		

Seq. No.	47560	Seq. ID	OJ000114_15.0310.C4
Gene No.	101189	Strand	-
Start	364	End	5659
Name	OJ000114_15.0310.C4.o5.tm	Method	TBLASTX:Maize
Start	5180	End	5659
GI	none	Score	182
Exons	5180..5509, 5612..5659		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101190	Strand	+
Start	340	End	746
Name	OJ000114_15.0310.C5.o1.gs	Method	GENSCAN
Start	340	End	746
GI	none	Score	.77
Exons	340..405, 657..746		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101191	Strand	+
Start	2126	End	4273
Name	OJ000114_15.0310.C5.o2.gs	Method	GENSCAN
Start	2126	End	4273
GI	none	Score	.77
Exons	2126..3653, 4191..4273		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101192	Strand	+
Start	7135	End	13245
Name	OJ000114_15.0310.C5.o1.np	Method	AAT/NAP
Start	7135	End	13209
GI	5922631	Score	6709
Exons	7135..7259, 7518..7762, 8012..8214, 8260..8831, 8874..9025, 9152..10075, 10682..13209		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101192	Strand	+
Start	7135	End	13245
Name	OJ000114_15.0310.C5.o3.gs	Method	GENSCAN
Start	7135	End	13245
GI	none	Score	.96
Exons	7135..10067, 10164..11234, 11283..13245		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101193	Strand	+
Start	18940	End	25016
Name	OJ000114_15.0310.C5.o9.np	Method	AAT/NAP
Start	18940	End	24983
GI	5922631	Score	6638

Exons	18940..19064, 19293..19552, 19820..19989, 20035..20603, 20646..20796, 20923..21849, 22456..24983
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101193	Strand	+
Start	18940	End	25016
Name	OJ000114_15.0310.C5.o7.np	Method	AAT/NAP
Start	18940	End	21854
GI	5902444	Score	4056
Exons	18940..21854		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101193	Strand	+
Start	18940	End	25016
Name	OJ000114_15.0310.C5.o10.np	Method	AAT/NAP
Start	21921	End	25016
GI	5902445	Score	5006
Exons	21921..25016		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101194	Strand	-
Start	13563	End	16791
Name	OJ000114_15.0310.C5.o4.gs	Method	GENSCAN
Start	13563	End	16791
GI	none	Score	.57
Exons	13563..13883, 13910..14010, 14083..14187, 14259..14372, 14511..14711, 14786..15383, 15602..16638, 16773..16791		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101194	Strand	-
Start	13563	End	16791
Name	OJ000114_15.0310.C5.o2.np	Method	AAT/NAP
Start	13566	End	14023
GI	5902446	Score	718
Exons	13566..14023		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101194	Strand	-
Start	13563	End	16791
Name	OJ000114_15.0310.C5.o3.np	Method	AAT/NAP
Start	13566	End	16486
GI	6691716	Score	2345
Exons	13566..14010, 14083..14187, 14337..14448, 14524..14718, 14895..15144, 15226..15400, 15598..16486		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101194	Strand	-
Start	13563	End	16791
Name	OJ000114_15.0310.C5.o5.np	Method	AAT/NAP
Start	14757	End	15503
GI	5902447	Score	1244
Exons	14757..15503		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101194	Strand	-
Start	13563	End	16791
Name	OJ000114_15.0310.C5.o6.np	Method	AAT/NAP
Start	15593	End	16486
GI	5902448	Score	1573
Exons	15593..16486		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101195	Strand	-
Start	25349	End	28264
Name	OJ000114_15.0310.C5.o6.gs	Method	GENSCAN
Start	25349	End	28264
GI	none	Score	.79
Exons	25349..25800, 26336..26500, 26578..26936, 27013..27302, 27380..27714, 28072..28264		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101195	Strand	-
Start	25349	End	28264
Name	OJ000114_15.0310.C5.o11.np	Method	AAT/NAP
Start	25361	End	28264
GI	6691716	Score	2504
Exons	25361..25800, 25874..25987, 26137..26238, 26313..26500, 26578..26757, 26834..26936, 27013..27179, 27380..28264		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101196	Strand	-
Start	34598	End	34959
Name	OJ000114_15.0310.C5.o13.np	Method	AAT/NAP
Start	34598	End	34959
GI	7543898	Score	83
Exons	34598..34959		
GI Descrip.	(AL138645) putative protein [Arabidopsis thaliana]		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o9.tw	Method	TBLASTX:Wheat
Start	8436	End	20442
GI	none	Score	288
Exons	8436..8705, 8437..8838, 20208..20435, 20209..20442		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o1.tw	Method	TBLASTX:Wheat
Start	9415	End	21986
GI	none	Score	149
Exons	9415..9591, 9636..9821, 9640..9870, 9976..10212, 10047..10208, 21189..21365, 21410..21646, 21414..21644, 21693..21986, 21821..21982		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o4.ts	Method	TBLASTX:Soybean
Start	10132	End	22271
GI	none	Score	139
Exons	10132..10356, 10363..10497, 21906..22130, 22137..22271		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o10.tw	Method	TBLASTX:Wheat
Start	10213	End	22221
GI	none	Score	274
Exons	10213..10446, 10233..10445, 10234..10446, 21987..22220, 21989..22219, 22057..22221		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o4.tm	Method	TBLASTX:Maize
Start	10222	End	22352
GI	none	Score	375
Exons	10222..10578, 10263..10568, 21996..22352, 22037..22228		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o2.tw	Method	TBLASTX:Wheat
Start	10447	End	22640
GI	none	Score	468
Exons	10447..10866, 10447..10671, 10449..10865, 22221..22640, 22233..22436, 22265..22639		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o2.ts	Method	TBLASTX:Soybean
Start	10741	End	22916
GI	none	Score	313
Exons	10741..11142, 10758..10901, 10938..11108, 22485..22916, 22532..22675, 22548..22829, 22712..22882		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o3.tm	Method	TBLASTX:Maize

Start	10809	End	23003
GI	none	Score	269
Exons	10809..11063, 10810..11064, 10810..11064, 11085..11216, 11086..11229, 22583..22837, 22584..22838, 22584..22841, 22859..22990, 22860..23003		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o3.tw	Method	TBLASTX:Wheat
Start	10911	End	23114
GI	none	Score	414
Exons	10911..11339, 10912..11340, 22685..22894, 22686..23114		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o3.ts	Method	TBLASTX:Soybean
Start	11368	End	23530
GI	none	Score	86
Exons	11368..11472, 11376..11756, 11512..11754, 23282..23530, 23286..23528		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o5.tw	Method	TBLASTX:Wheat
Start	11377	End	23573
GI	none	Score	414
Exons	11377..11799, 11385..11789, 23187..23573, 23195..23497		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o9.tm	Method	TBLASTX:Maize
Start	11430	End	23477
GI	none	Score	121
Exons	11430..11600, 11440..11601, 11605..11703, 11637..11702, 23205..23375, 23379..23477		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o14.tw	Method	TBLASTX:Wheat
Start	11815	End	23888
GI	none	Score	126
Exons	11815..11949, 11974..12114, 23589..23723, 23790..23888		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o2.tm	Method	TBLASTX:Maize
Start	12111	End	24248
GI	none	Score	446
Exons	12111..12422, 12112..12435, 12120..12446, 12426..12473, 12427..12474, 23886..24209, 23906..24196, 24201..24248		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o4.tw	Method	TBLASTX:Wheat
Start	12117	End	24278
GI	none	Score	420
Exons	12117..12428, 12118..12504, 12313..12504, 23891..24109, 23892..24278, 24093..24278		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o8.tm	Method	TBLASTX:Maize
Start	12576	End	24623
GI	none	Score	89
Exons	12576..12683, 12577..12675, 12666..12740, 12670..12753, 12763..12849, 24344..24457, 24351..24449, 24440..24514, 24444..24527, 24540..24623		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o6.tw	Method	TBLASTX:Wheat
Start	12619	End	34368
GI	none	Score	276
Exons	12619..12897, 12639..12728, 12774..12881, 12938..13012, 13096..13233, 24393..24671, 24413..24502, 24554..24655, 24726..24884, 24876..25007, 34336..34368		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o6.tm	Method	TBLASTX:Maize
Start	12961	End	24968
GI	none	Score	152
Exons	12961..13113, 13092..13196, 13093..13194, 24726..24887, 24762..24860, 24866..24967, 24867..24968		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o12.tw	Method	TBLASTX:Wheat
Start	16076	End	28144
GI	none	Score	206
Exons	16076..16366, 27854..28144		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o11.tw	Method	TBLASTX:Wheat
Start	19978	End	31791
GI	none	Score	68
Exons	19978..20103, 31413..31493, 31485..31637, 31498..31638, 31638..31790, 31639..31791		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-

Start	36067	End	36250
Name	OJ000114_15.0310.C5.o8.tw	Method	TBLASTX:Wheat
Start	30392	End	30756
GI	none	Score	103
Exons	30392..30562, 30394..30678, 30394..30756		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o5.tm	Method	TBLASTX:Maize
Start	30487	End	30956
GI	none	Score	145
Exons	30487..30579, 30586..30849, 30843..30956		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o7.tw	Method	TBLASTX:Wheat
Start	30855	End	31407
GI	none	Score	71
Exons	30855..30953, 31044..31406, 31047..31259, 31057..31407		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o7.tm	Method	TBLASTX:Maize
Start	30957	End	31184
GI	none	Score	89
Exons	30957..31160, 30999..31184, 31000..31182		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o1.ts	Method	TBLASTX:Soybean
Start	31029	End	31556
GI	none	Score	69
Exons	31029..31214, 31057..31194, 31203..31556, 31204..31437, 31504..31545		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o1.tm	Method	TBLASTX:Maize
Start	31188	End	31790
GI	none	Score	109
Exons	31188..31790, 31207..31452, 31501..31767		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-
Start	36067	End	36250
Name	OJ000114_15.0310.C5.o13.tw	Method	TBLASTX:Wheat
Start	31830	End	32068
GI	none	Score	50
Exons	31830..31970, 31840..31911, 31972..32067, 31982..32068		

Seq. No.	47561	Seq. ID	OJ000114_15.0310.C5
Gene No.	101197	Strand	-

Start	36067	End	36250
Name	OJ000114_15.0310.C5.o8.gs	Method	GENSCAN
Start	36067	End	36250
GI	none	Score	.9
Exons	36067..36250		

Seq. No.	47562	Seq. ID	OJ000114_15.0310.C6
Gene No.	101198	Strand	+
Start	168	End	2807
Name	OJ000114_15.0310.C6.o1.gs	Method	GENSCAN
Start	168	End	2501
GI	none	Score	.73
Exons	168..365, 451..510, 857..1030, 1100..1427, 1524..1634, 1717..1787, 2009..2057, 2303..2501		

Seq. No.	47562	Seq. ID	OJ000114_15.0310.C6
Gene No.	101198	Strand	+
Start	168	End	2807
Name	OJ000114_15.0310.C6.o1.np	Method	AAT/NAP
Start	183	End	2807
GI	6539580	Score	649
Exons	183..795, 857..1047, 1120..1424, 1555..1634, 2284..2439, 2710..2807		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101199	Strand	+
Start	300	End	5654
Name	OJ000114_15.0310.C7.o1.gs	Method	GENSCAN
Start	300	End	5654
GI	none	Score	.73
Exons	300..592, 684..720, 942..1043, 1424..1555, 1919..2019, 2115..2304, 3196..3279, 3751..3903, 4823..4932, 5121..5175, 5222..5266, 5298..5654		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101200	Strand	+
Start	23531	End	33464
Name	OJ000114_15.0310.C7.o5.gs	Method	GENSCAN
Start	23531	End	33464
GI	none	Score	.8
Exons	23531..23632, 23707..23927, 24004..24162, 24707..24977, 25453..25559, 26435..27224, 27423..27670, 28247..28373, 28463..28738, 29653..29887, 30931..31219, 31679..31715, 32097..32309, 33381..33464		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101200	Strand	+
Start	23531	End	33464
Name	OJ000114_15.0310.C7.o4.np	Method	AAT/NAP
Start	24606	End	31223
GI	4204312	Score	2343
Exons	24606..25015, 25453..25559, 26435..27350, 27423..27670, 28247..28373, 28463..28738, 29653..29887, 30928..31223		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101200	Strand	+
Start	23531	End	33464
Name	OJ000114_15.0310.C7.o2.gp	Method	AAT/GAP
Start	24681	End	25558
GI	5002985	Score	786
Exons	24681..24977, 25453..25558		
GI Descrip.	4204312 5.0e-17 (AC003027) lcl_prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101200	Strand	+
Start	23531	End	33464
Name	OJ000114_15.0310.C7.o3.gp	Method	AAT/GAP
Start	31049	End	31494
GI	5002986	Score	862
Exons	31049..31494		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101201	Strand	+
Start	39876	End	41850
Name	OJ000114_15.0310.C7.o7.gs	Method	GENSCAN
Start	39876	End	41850
GI	none	Score	.65
Exons	39876..40046, 40604..40679, 40902..41102, 41600..41850		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101202	Strand	+
Start	43641	End	46199
Name	OJ000114_15.0310.C7.o8.gs	Method	GENSCAN
Start	43641	End	46199
GI	none	Score	.46
Exons	43641..43735, 44102..44714, 44745..45351, 46132..46199		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101202	Strand	+
Start	43641	End	46199
Name	OJ000114_15.0310.C7.o6.np	Method	AAT/NAP
Start	44721	End	45125
GI	7489553	Score	492
Exons	44721..45125		
GI Descrip.	probable reverse transcriptase - rice (fragment) gi|2462640|emb|CAA73800.1| (Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101203	Strand	+
Start	49804	End	52150
Name	OJ000114_15.0310.C7.o10.gs	Method	GENSCAN
Start	49804	End	52150
GI	none	Score	.55
Exons	49804..49888, 50180..50274, 50769..50848, 51692..51870, 52086..52150		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101204	Strand	-
Start	3010	End	13780

Name	OJ000114_15.0310.C7.o1.np	Method	AAT/NAP
Start	3010	End	11260
GI	6063554	Score	324
Exons	3010..3183, 3818..3847, 5212..5432, 5547..5641, 5808..5976, 11153..11260		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101204	Strand	-
Start	3010	End	13780
Name	OJ000114_15.0310.C7.o2.np	Method	AAT/NAP
Start	6477	End	10587
GI	6539581	Score	1608
Exons	6477..6539, 6797..6918, 7171..8936, 9154..9438, 9712..9847, 10442..10587		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101204	Strand	-
Start	3010	End	13780
Name	OJ000114_15.0310.C7.o2.gs	Method	GENSCAN
Start	7726	End	13780
GI	none	Score	.52
Exons	7726..8729, 9285..9444, 9523..9633, 9727..9813, 10045..10194, 10420..10520, 10857..10967, 11455..11541, 13681..13780		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101205	Strand	-
Start	15164	End	16057
Name	OJ000114_15.0310.C7.o3.gs	Method	GENSCAN
Start	15164	End	16057
GI	none	Score	.99
Exons	15164..16057		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101205	Strand	-
Start	15164	End	16057
Name	OJ000114_15.0310.C7.o3.np	Method	AAT/NAP
Start	15167	End	16057
GI	7451377	Score	783
Exons	15167..16057		
GI Descrip.	chitinase (EC 3.2.1.14) III C00481 - rice gi|2696221|dbj|BAA23806.1| (D55708) chitinase [Oryza sativa]		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101206	Strand	-
Start	34127	End	38439
Name	OJ000114_15.0310.C7.o6.gs	Method	GENSCAN
Start	34127	End	38436
GI	none	Score	.84
Exons	34127..34338, 36149..36303, 36387..36485, 36781..36897, 37559..38436		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7

Gene No.	101206	Strand	-
Start	34127	End	38439
Name	OJ000114_15.0310.C7.o5.np	Method	AAT/NAP
Start	37552	End	38439
GI	7451377	Score	797
Exons	37552..38439		
GI Descrip.	chitinase (EC 3.2.1.14) III C00481 - rice gi|2696221|dbj|BAA23806.1| (D55708) chitinase [Oryza sativa]		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101207	Strand	-
Start	47597	End	49608
Name	OJ000114_15.0310.C7.o9.gs	Method	GENSCAN
Start	47597	End	49608
GI	none	Score	.41
Exons	47597..47705, 48109..48274, 48741..49608		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101207	Strand	-
Start	47597	End	49608
Name	OJ000114_15.0310.C7.o8.np	Method	AAT/NAP
Start	48730	End	49608
GI	7451377	Score	857
Exons	48730..49608		
GI Descrip.	chitinase (EC 3.2.1.14) III C00481 - rice gi|2696221|dbj|BAA23806.1| (D55708) chitinase [Oryza sativa]		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o2.tw	Method	TBLASTX:Wheat
Start	8053	End	8493
GI	none	Score	67
Exons	8053..8295, 8054..8260, 8290..8493, 8315..8491		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o2.ts	Method	TBLASTX:Soybean
Start	8116	End	8664
GI	none	Score	134
Exons	8116..8274, 8290..8664, 8375..8623		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o5.tm	Method	TBLASTX:Maize
Start	8327	End	8724
GI	none	Score	142
Exons	8327..8671, 8329..8724		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o3.tc	Method	TBLASTX:Cress
Start	8407	End	8724
GI	none	Score	103

Exons	8407..8724, 8414..8686		
Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o1.tc	Method	TBLASTX:Cress
Start	15167	End	49512
GI	none	Score	95
Exons	15167..15379, 15551..15640, 15659..15799, 15854..15982, 37558..37671, 37651..37761, 37933..38022, 38038..38181, 38236..38346, 48748..48945, 48955..49089, 49075..49203, 49195..49344, 49387..49512		
Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o2.tm	Method	TBLASTX:Maize
Start	15197	End	49134
GI	none	Score	129
Exons	15197..15391, 15197..15382, 15387..15530, 15401..15577, 15410..15553, 15572..15610, 15585..15608, 37572..37628, 37582..37656, 37582..37653, 37658..37759, 37672..37776, 37708..37776, 37783..37971, 37808..37915, 48740..48997, 48742..49077, 48743..49075, 49082..49120, 49084..49134		
Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o3.ts	Method	TBLASTX:Soybean
Start	15200	End	49518
GI	none	Score	54
Exons	15200..15295, 15392..15508, 15545..15637, 15588..15656, 15659..15817, 15693..15818, 15854..15976, 15855..15968, 37585..37671, 37783..37890, 37933..38019, 38038..38190, 38078..38191, 38236..38358, 38237..38350, 48763..48873, 48955..49068, 49096..49197, 49133..49201, 49204..49335, 49277..49330, 49385..49507, 49387..49518		
Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o6.tm	Method	TBLASTX:Maize
Start	15677	End	49504
GI	none	Score	203
Exons	15677..15727, 15744..15965, 15770..15964, 38059..38124, 38125..38346, 38126..38347, 49222..49287, 49288..49395, 49289..49378, 49384..49503, 49388..49504		
Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o3.tw	Method	TBLASTX:Wheat
Start	15744	End	49507
GI	none	Score	99
Exons	15744..15830, 15770..15844, 15836..15967, 15840..15971, 38125..38226, 38126..38227, 38236..38349, 38237..38353, 49288..49389, 49289..49390, 49393..49503, 49394..49507		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o4.ts	Method	TBLASTX:Soybean
Start	25447	End	28699
GI	none	Score	65
Exons	25447..25560, 26667..26939, 28242..28373, 28462..28569, 28463..28699		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o7.tm	Method	TBLASTX:Maize
Start	26945	End	27104
GI	none	Score	236
Exons	26945..27103, 26946..27104, 26946..27104		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o1.ts	Method	TBLASTX:Soybean
Start	27215	End	27678
GI	none	Score	209
Exons	27215..27355, 27216..27362, 27411..27662, 27423..27671, 27530..27670, 27547..27678, 27547..27678		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o2.tc	Method	TBLASTX:Cress
Start	28242	End	28725
GI	none	Score	88
Exons	28242..28373, 28462..28620, 28463..28699, 28696..28725		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	28446	End	28726
GI	none	Score	274
Exons	28446..28724, 28459..28725, 28460..28726		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o9.tm	Method	TBLASTX:Maize
Start	31070	End	31224
GI	none	Score	187
Exons	31070..31222, 31071..31220, 31072..31224		

Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o4.tm	Method	TBLASTX:Maize
Start	44757	End	45527
GI	none	Score	156

Exons	44757..45011, 44918..45019, 45060..45200, 45095..45178, 45222..45527		
Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o3.tm	Method	TBLASTX:Maize
Start	45635	End	46049
GI	none	Score	235
Exons	45635..45862, 45636..45872, 45636..45869, 45864..45938, 45881..45937, 45882..45938, 45938..46018, 45939..46049		
Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o1.tw	Method	TBLASTX:Wheat
Start	45698	End	45992
GI	none	Score	284
Exons	45698..45808, 45705..45956, 45708..45992, 45854..45979		
Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o8.tm	Method	TBLASTX:Maize
Start	46210	End	46590
GI	none	Score	59
Exons	46210..46281, 46279..46590		
Seq. No.	47563	Seq. ID	OJ000114_15.0310.C7
Gene No.	101208	Strand	-
Start	53234	End	53891
Name	OJ000114_15.0310.C7.o11.gs	Method	GENSCAN
Start	53234	End	53891
GI	none	Score	.63
Exons	53234..53348, 53523..53582, 53797..53891		
Seq. No.	47564	Seq. ID	OJ000114_15.0310.C8
Gene No.	101209	Strand	
Start	1306	End	1515
Name	OJ000114_15.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	1306	End	1515
GI	none	Score	183
Exons	1306..1515, 1410..1514		
Seq. No.	47565	Seq. ID	OJ000214_18.0306.C4
Gene No.	101210	Strand	+
Start	544	End	977
Name	OJ000214_18.0306.C4.o1.gs	Method	GENSCAN
Start	544	End	705
GI	none	Score	.95
Exons	544..705		
Seq. No.	47565	Seq. ID	OJ000214_18.0306.C4
Gene No.	101210	Strand	+
Start	544	End	977
Name	OJ000214_18.0306.C4.o1.np	Method	AAT/NAP
Start	546	End	977

GI	4240041	Score	72
Exons	546..705, 937..977		
GI Descrip.	(AB018591) ZmGR2c [Zea mays]		

Seq. No.	47566	Seq. ID	OJ000214_18.0306.C5
Gene No.	101211	Strand	-
Start	441	End	760
Name	OJ000214_18.0306.C5.o1.np	Method	AAT/NAP
Start	155	End	760
GI	7488197	Score	76
Exons	155..215, 466..760		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.90 - Arabidopsis thaliana gi|3021272|emb|CAA18467.1| (AL022347) serine /threonine kinase-like protein [Arabidopsis thaliana] gi|7269167|emb|CAB79275.1| (AL161558) serine /threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	47566	Seq. ID	OJ000214_18.0306.C5
Gene No.	101211	Strand	-
Start	441	End	760
Name	OJ000214_18.0306.C5.o1.gs	Method	GENSCAN
Start	441	End	714
GI	none	Score	.55
Exons	441..714		

Seq. No.	47567	Seq. ID	OJ000214_18.0306.C8
Gene No.	101212	Strand	+
Start	241	End	444
Name	OJ000214_18.0306.C8.o1.gs	Method	GENSCAN
Start	241	End	444
GI	none	Score	.43
Exons	241..444		

Seq. No.	47568	Seq. ID	OJ000214_18.0306.C10
Gene No.	101213	Strand	+
Start	1	End	3129
Name	OJ000214_18.0306.C10.o1.np	Method	AAT/NAP
Start	1	End	3129
GI	7488317	Score	446
Exons	1..571, 604..1386, 3106..3129		
GI Descrip.	RNA-directed DNA polymerase homolog F19F24.2 - Arabidopsis thaliana gi|4185148|gb|AAD08951.1| (AC005724) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	47568	Seq. ID	OJ000214_18.0306.C10
Gene No.	101213	Strand	+
Start	1	End	3129
Name	OJ000214_18.0306.C10.o1.gs	Method	GENSCAN
Start	703	End	1263
GI	none	Score	.43
Exons	703..846, 1156..1263		

Seq. No.	47568	Seq. ID	OJ000214_18.0306.C10
Gene No.	101214	Strand	+
Start	4196	End	13030
Name	OJ000214_18.0306.C10.o3.gs	Method	GENSCAN
Start	4196	End	4786

GI	none	Score	1
Exons	4196..4786		
Seq. No.	47568	Seq. ID	OJ000214_18.0306.C10
Gene No.	101214	Strand	+
Start	4196	End	13030
Name	OJ000214_18.0306.C10.o2.np	Method	AAT/NAP
Start	4235	End	13030
GI	4530126	Score	315
Exons	4235..4776, 6551..6808, 10349..10469, 11671..11825, 12753..13030		
GI Descrip.	(AF078082) receptor-like protein kinase homolog RK20-1 [Phaseolus vulgaris]		
Seq. No.	47568	Seq. ID	OJ000214_18.0306.C10
Gene No.	101214	Strand	+
Start	4196	End	13030
Name	OJ000214_18.0306.C10.o4.gs	Method	GENSCAN
Start	5027	End	12966
GI	none	Score	.61
Exons	5027..5115, 5137..5269, 5314..5544, 5706..5932, 6484..6794, 8758..8804, 10217..10280, 11440..11547, 11662..11825, 12753..12966		
Seq. No.	47568	Seq. ID	OJ000214_18.0306.C10
Gene No.	101215	Strand	-
Start	2393	End	2859
Name	OJ000214_18.0306.C10.o1.tm	Method	TBLASTX:Maize
Start	245	End	1032
GI	none	Score	175
Exons	245..631, 427..525, 600..683, 739..1032, 747..965		
Seq. No.	47568	Seq. ID	OJ000214_18.0306.C10
Gene No.	101215	Strand	-
Start	2393	End	2859
Name	OJ000214_18.0306.C10.o2.tm	Method	TBLASTX:Maize
Start	1038	End	1350
GI	none	Score	90
Exons	1038..1133, 1052..1117, 1136..1261, 1140..1286, 1288..1350, 1290..1325		
Seq. No.	47568	Seq. ID	OJ000214_18.0306.C10
Gene No.	101215	Strand	-
Start	2393	End	2859
Name	OJ000214_18.0306.C10.o1.tw	Method	TBLASTX:Wheat
Start	1182	End	1425
GI	none	Score	91
Exons	1182..1286, 1205..1288, 1288..1425, 1293..1424		
Seq. No.	47568	Seq. ID	OJ000214_18.0306.C10
Gene No.	101215	Strand	-
Start	2393	End	2859
Name	OJ000214_18.0306.C10.o2.gs	Method	GENSCAN
Start	2393	End	2859
GI	none	Score	.87
Exons	2393..2631, 2715..2859		
Seq. No.	47568	Seq. ID	OJ000214_18.0306.C10

Gene No.	101216	Strand	
Start	12740	End	12968
Name	OJ000214_18.0306.C10.o1.tc	Method	TBLASTX:Cress
Start	12740	End	12968
GI	none	Score	53
Exons	12740..12793, 12753..12797, 12806..12895, 12807..12953, 12813..12968		

Seq. No.	47568	Seq. ID	OJ000214_18.0306.C10
Gene No.	101216	Strand	
Start	12740	End	12968
Name	OJ000214_18.0306.C10.o3.tm	Method	TBLASTX:Maize
Start	12753	End	12953
GI	none	Score	62
Exons	12753..12806, 12806..12901, 12807..12953		

Seq. No.	47569	Seq. ID	OJ000214_18.0306.C11
Gene No.	101217	Strand	-
Start	688	End	1580
Name	OJ000214_18.0306.C11.o1.gs	Method	GENSCAN
Start	688	End	1580
GI	none	Score	.83
Exons	688..840, 1440..1580		

Seq. No.	47570	Seq. ID	OJ000214_18.0306.C12
Gene No.	101218	Strand	+
Start	1077	End	1584
Name	OJ000214_18.0306.C12.o1.gp	Method	AAT/GAP
Start	1077	End	1584
GI	none	Score	985
Exons	1077..1584		

Seq. No.	47570	Seq. ID	OJ000214_18.0306.C12
Gene No.	101219	Strand	-
Start	1523	End	5860
Name	OJ000214_18.0306.C12.o1.np	Method	AAT/NAP
Start	1475	End	4099
GI	3075398	Score	1120
Exons	1475..1775, 1818..1908, 2001..2195, 2308..2445, 2544..2631, 2740..2828, 2935..3242, 4062..4099		
GI Descrip.	(AC004484) unknown protein [Arabidopsis thaliana]		

Seq. No.	47570	Seq. ID	OJ000214_18.0306.C12
Gene No.	101219	Strand	-
Start	1523	End	5860
Name	OJ000214_18.0306.C12.o1.gs	Method	GENSCAN
Start	1523	End	5860
GI	none	Score	.76
Exons	1523..1573, 1597..1908, 2001..2195, 2308..2445, 2544..2631, 2740..2828, 2935..3665, 4021..4124, 5713..5860		

Seq. No.	47570	Seq. ID	OJ000214_18.0306.C12
Gene No.	101219	Strand	-
Start	1523	End	5860
Name	OJ000214_18.0306.C12.o1.ts	Method	TBLASTX:Soybean
Start	1609	End	3247
GI	none	Score	80

Exons	1609..1710, 1610..1699, 1888..1932, 1998..2126, 2001..2198, 2002..2190, 2002..2211, 2297..2443, 2308..2484, 2544..2639, 2545..2631, 2706..2828, 2731..2841, 2926..3243, 2927..3247		
Seq. No.	47570	Seq. ID	OJ000214_18.0306.C12
Gene No.	101219	Strand	-
Start	1523	End	5860
Name	OJ000214_18.0306.C12.o1.tw	Method	TBLASTX:Wheat
Start	1756	End	2142
GI	none	Score	61
Exons	1756..1821, 1758..1844, 1871..1921, 1873..1932, 1993..2142, 2001..2132		
Seq. No.	47570	Seq. ID	OJ000214_18.0306.C12
Gene No.	101219	Strand	-
Start	1523	End	5860
Name	OJ000214_18.0306.C12.o2.tm	Method	TBLASTX:Maize
Start	1871	End	2481
GI	none	Score	64
Exons	1871..1921, 1873..1932, 1979..2197, 1993..2199, 2001..2198, 2294..2443, 2307..2447, 2308..2460, 2308..2481		
Seq. No.	47570	Seq. ID	OJ000214_18.0306.C12
Gene No.	101219	Strand	-
Start	1523	End	5860
Name	OJ000214_18.0306.C12.o2.gp	Method	AAT/GAP
Start	1879	End	2393
GI	LIB3433-032-P1-K1-B10	Score	533
Exons	1879..1908, 2001..2195, 2308..2393		
GI Descrip.	'3075398 7.0e-37 (AC004484) unknown protein [Arabidopsis thaliana]'		
Seq. No.	47570	Seq. ID	OJ000214_18.0306.C12
Gene No.	101219	Strand	-
Start	1523	End	5860
Name	OJ000214_18.0306.C12.o2.tc	Method	TBLASTX:Cress
Start	1966	End	2416
GI	none	Score	221
Exons	1966..2118, 1992..2198, 1996..2196, 2305..2409, 2308..2415, 2309..2416, 2312..2416		
Seq. No.	47570	Seq. ID	OJ000214_18.0306.C12
Gene No.	101219	Strand	-
Start	1523	End	5860
Name	OJ000214_18.0306.C12.o2.tw	Method	TBLASTX:Wheat
Start	2408	End	2970
GI	none	Score	51
Exons	2408..2458, 2544..2594, 2706..2828, 2740..2844, 2926..2970		
Seq. No.	47570	Seq. ID	OJ000214_18.0306.C12
Gene No.	101219	Strand	-
Start	1523	End	5860
Name	OJ000214_18.0306.C12.o1.tm	Method	TBLASTX:Maize
Start	2542	End	3250
GI	none	Score	111
Exons	2542..2631, 2544..2639, 2712..2828, 2713..2841, 2926..3249, 2927..3250		

Seq. No.	47570	Seq. ID	OJ000214_18.0306.C12
Gene No.	101219	Strand	-
Start	1523	End	5860
Name	OJ000214_18.0306.C12.o1.tc	Method	TBLASTX:Cress
Start	2559	End	3241
GI	none	Score	110
Exons	2559..2639, 2737..2823, 2739..2828, 2740..2841, 2926..3237, 2927..3241		

Seq. No.	47571	Seq. ID	OJ000214_18.0306.C14
Gene No.	101220	Strand	-
Start	188	End	1132
Name	OJ000214_18.0306.C14.o1.tc	Method	TBLASTX:Cress
Start	161	End	890
GI	none	Score	58
Exons	161..886, 186..284, 188..292, 189..890, 681..890		

Seq. No.	47571	Seq. ID	OJ000214_18.0306.C14
Gene No.	101220	Strand	-
Start	188	End	1132
Name	OJ000214_18.0306.C14.o1.gs	Method	GENSCAN
Start	188	End	889
GI	none	Score	.83
Exons	188..889		

Seq. No.	47571	Seq. ID	OJ000214_18.0306.C14
Gene No.	101220	Strand	-
Start	188	End	1132
Name	OJ000214_18.0306.C14.o1.np	Method	AAT/NAP
Start	188	End	1132
GI	1477480	Score	975
Exons	188..919, 1099..1132		
GI Descrip.	(U40341) carbamoyl phosphate synthetase large chain [Arabidopsis thaliana]		

Seq. No.	47572	Seq. ID	OJ000214_18.0306.C15
Gene No.	101221	Strand	-
Start	773	End	1553
Name	OJ000214_18.0306.C15.o1.np	Method	AAT/NAP
Start	773	End	1553
GI	1477480	Score	1091
Exons	773..1553		
GI Descrip.	(U40341) carbamoyl phosphate synthetase large chain [Arabidopsis thaliana]		

Seq. No.	47572	Seq. ID	OJ000214_18.0306.C15
Gene No.	101221	Strand	-
Start	773	End	1553
Name	OJ000214_18.0306.C15.o1.tc	Method	TBLASTX:Cress
Start	818	End	1552
GI	none	Score	198
Exons	818..1087, 818..1552, 822..1205, 887..1015, 906..1016, 1061..1402, 1131..1193, 1147..1242, 1154..1264, 1299..1550, 1406..1546		

Seq. No.	47572	Seq. ID	OJ000214_18.0306.C15

Gene No.	101221	Strand	-
Start	773	End	1553
Name	OJ000214_18.0306.C15.o1.gs	Method	GENSCAN
Start	821	End	1489
GI	none	Score	.76
Exons	821..1489		

Seq. No.	47572	Seq. ID	OJ000214_18.0306.C15
Gene No.	101221	Strand	-
Start	773	End	1553
Name	OJ000214_18.0306.C15.o1.ts	Method	TBLASTX:Soybean
Start	896	End	1402
GI	none	Score	145
Exons	896..1015, 1061..1402		

Seq. No.	47573	Seq. ID	OJ000214_18.0306.C16
Gene No.	101222	Strand	+
Start	1	End	8235
Name	OJ000214_18.0306.C16.o1.np	Method	AAT/NAP
Start	1	End	8235
GI	7339707	Score	112
Exons	1..117, 2467..2543, 2712..2755, 3792..4048, 4271..4378, 5211..5584, 8158..8235		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	47574	Seq. ID	OJ000214_18.0306.C17
Gene No.	101223	Strand	-
Start	13	End	394
Name	OJ000214_18.0306.C17.o1.gs	Method	GENSCAN
Start	13	End	394
GI	none	Score	.41
Exons	13..133, 255..394		

Seq. No.	47575	Seq. ID	OJ000214_18.0306.C18
Gene No.	101224	Strand	
Start	3627	End	4049
Name	OJ000214_18.0306.C18.o1.tm	Method	TBLASTX:Maize
Start	3627	End	4049
GI	none	Score	113
Exons	3627..3890, 3888..4049		

Seq. No.	47576	Seq. ID	OJ000214_18.0306.C19
Gene No.	101225	Strand	+
Start	1284	End	3955
Name	OJ000214_18.0306.C19.o1.gp	Method	AAT/GAP
Start	1284	End	2602
GI	48373_1.R1084	Score	833
Exons	1284..1572, 1691..1731, 2366..2435, 2531..2602		
GI Descrip.	'4538939/emb|CAB39675.1| 5.0e-40 (AL049483) Col-0 casein kinase I-like protein [Arabidopsis thaliana]'		

Seq. No.	47576	Seq. ID	OJ000214_18.0306.C19
Gene No.	101225	Strand	+
Start	1284	End	3955
Name	OJ000214_18.0306.C19.o1.tm	Method	TBLASTX:Maize
Start	1386	End	3955
GI	none	Score	40

Exons	1386..1430, 1390..1425, 1494..1577, 1496..1573, 1674..1733, 1690..1731, 2365..2436, 2366..2437, 2504..2635, 2529..2678, 2531..2677, 2532..2678, 2533..2682, 2791..2889, 2792..2890, 2796..2912, 2955..3053, 2980..3063, 2984..3055, 3321..3386, 3321..3386, 3325..3396, 3325..3393, 3503..3574, 3510..3584, 3520..3588, 3665..3751, 3666..3758, 3670..3753, 3828..3944, 3830..3943, 3899..3955

Seq. No.	47576	Seq. ID	OJ000214_18.0306.C19
Gene No.	101225	Strand	+
Start	1284	End	3955
Name	OJ000214_18.0306.C19.o1.tc	Method	TBLASTX:Cress
Start	1493	End	3944
GI	none	Score	132
Exons	1493..1573, 1497..1577, 1671..1733, 1690..1731, 2365..2436, 2366..2437, 2368..2445, 2529..2678, 2532..2678, 2533..2682, 2791..2889, 2791..2889, 2792..2890, 2802..2891, 2963..3061, 2980..3063, 2983..3054, 2984..3055, 3324..3386, 3325..3396, 3331..3393, 3510..3584, 3520..3588, 3653..3763, 3665..3787, 3666..3788, 3666..3773, 3825..3944, 3830..3943		

Seq. No.	47576	Seq. ID	OJ000214_18.0306.C19
Gene No.	101225	Strand	+
Start	1284	End	3955
Name	OJ000214_18.0306.C19.o1.ts	Method	TBLASTX:Soybean
Start	1496	End	3944
GI	none	Score	132
Exons	1496..1573, 1497..1577, 1674..1733, 1690..1731, 2365..2436, 2366..2437, 2529..2678, 2532..2678, 2533..2682, 2791..2889, 2792..2890, 2980..3063, 2984..3055, 3324..3386, 3325..3396, 3510..3584, 3520..3588, 3522..3590, 3654..3737, 3665..3751, 3666..3758, 3825..3944, 3830..3943		

Seq. No.	47576	Seq. ID	OJ000214_18.0306.C19
Gene No.	101225	Strand	+
Start	1284	End	3955
Name	OJ000214_18.0306.C19.o1.gs	Method	GENSCAN
Start	1497	End	3924
GI	none	Score	.81
Exons	1497..1572, 1691..1731, 2366..2435, 2531..2679, 2792..2887, 2984..3054, 3255..3388, 3521..3584, 3831..3924		

Seq. No.	47576	Seq. ID	OJ000214_18.0306.C19
Gene No.	101225	Strand	+
Start	1284	End	3955
Name	OJ000214_18.0306.C19.o1.np	Method	AAT/NAP
Start	1497	End	3955
GI	6648157	Score	1063
Exons	1497..1572, 1691..1731, 2366..2435, 2531..2679, 2792..2887, 2984..3054, 3327..3388, 3521..3584, 3668..3752, 3831..3955		
GI Descrip.	(AC010926) putative casein kinase I [Arabidopsis thaliana]		

Seq. No.	47576	Seq. ID	OJ000214_18.0306.C19
Gene No.	101225	Strand	+
Start	1284	End	3955
Name	OJ000214_18.0306.C19.o2.gp	Method	AAT/GAP
Start	2979	End	3955

GI	29203_1.R1084	Score	692
Exons	2979..3054, 3327..3388, 3521..3584, 3668..3752, 3831..3955		
GI Descrip.	'4538939/emb|CAB39675.1| 4.0e-80 (AL049483) Col-0 casein kinase I-like protein [Arabidopsis thaliana]'		

Seq. No.	47576	Seq. ID	OJ000214_18.0306.C19
Gene No.	101225	Strand	+
Start	1284	End	3955
Name	OJ000214_18.0306.C19.o1.tw	Method	TBLASTX:Wheat
Start	3351	End	3935
GI	none	Score	55
Exons	3351..3386, 3358..3396, 3510..3584, 3520..3588, 3522..3590, 3653..3751, 3666..3758, 3669..3752, 3825..3935, 3830..3886		

Seq. No.	47577	Seq. ID	OJ000214_18.0306.C21
Gene No.	101226	Strand	-
Start	487	End	633
Name	OJ000214_18.0306.C21.o1.gs	Method	GENSCAN
Start	487	End	633
GI	none	Score	1
Exons	487..633		

Seq. No.	47577	Seq. ID	OJ000214_18.0306.C21
Gene No.	101227	Strand	-
Start	1057	End	1144
Name	OJ000214_18.0306.C21.o1.gp	Method	AAT/GAP
Start	1057	End	1144
GI	LIB3477-003-P1-K1-E9	Score	151
Exons	1057..1144		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47578	Seq. ID	OJ000214_18.0306.C22
Gene No.	101228	Strand	+
Start	4426	End	6113
Name	OJ000214_18.0306.C22.o1.gp	Method	AAT/GAP
Start	4426	End	5902
GI	568543	Score	570
Exons	4426..4472, 5419..5453, 5553..5638, 5731..5902		
GI Descrip.	4538947/emb|CAB39683.1| 7.0e-25 (AL049483) putative mitochondrial carrier protein [Arabidopsis thaliana]		

Seq. No.	47578	Seq. ID	OJ000214_18.0306.C22
Gene No.	101228	Strand	+
Start	4426	End	6113
Name	OJ000214_18.0306.C22.o1.np	Method	AAT/NAP
Start	5280	End	6113
GI	7527717	Score	365
Exons	5280..5481, 5709..5941, 6077..6113		
GI Descrip.	(AC010657) T5E21.6 [Arabidopsis thaliana]		

Seq. No.	47578	Seq. ID	OJ000214_18.0306.C22
Gene No.	101229	Strand	-
Start	2490	End	5950
Name	OJ000214_18.0306.C22.o1.gs	Method	GENSCAN
Start	2490	End	5831

GI	none	Score	.64
Exons	2490..2507, 2959..3004, 3261..3398, 3589..3630, 3671..3716, 4129..4178, 4269..4368, 4428..4703, 5293..5460, 5720..5831		

Seq. No.	47578	Seq. ID	OJ000214_18.0306.C22
Gene No.	101229	Strand	-
Start	2490	End	5950
Name	OJ000214_18.0306.C22.o1.tm	Method	TBLASTX:Maize
Start	5282	End	5944
GI	none	Score	108
Exons	5282..5461, 5331..5462, 5551..5637, 5552..5638, 5553..5639, 5728..5823, 5729..5821, 5736..5831, 5819..5944, 5827..5943		

Seq. No.	47578	Seq. ID	OJ000214_18.0306.C22
Gene No.	101229	Strand	-
Start	2490	End	5950
Name	OJ000214_18.0306.C22.o1.ts	Method	TBLASTX:Soybean
Start	5333	End	5950
GI	none	Score	79
Exons	5333..5461, 5334..5462, 5552..5629, 5553..5639, 5725..5820, 5729..5824, 5731..5832, 5819..5944, 5827..5934, 5837..5950		

Seq. No.	47578	Seq. ID	OJ000214_18.0306.C22
Gene No.	101229	Strand	-
Start	2490	End	5950
Name	OJ000214_18.0306.C22.o1.tc	Method	TBLASTX:Cress
Start	5728	End	5944
GI	none	Score	138
Exons	5728..5811, 5729..5830, 5834..5944, 5836..5934		

Seq. No.	47579	Seq. ID	OJ000214_18.0306.C24
Gene No.	101230	Strand	+
Start	943	End	6963
Name	OJ000214_18.0306.C24.o1.np	Method	AAT/NAP
Start	943	End	4697
GI	6721516	Score	517
Exons	943..1039, 2635..2875, 3290..3606, 4521..4697		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	47579	Seq. ID	OJ000214_18.0306.C24
Gene No.	101230	Strand	+
Start	943	End	6963
Name	OJ000214_18.0306.C24.o1.gs	Method	GENSCAN
Start	1758	End	6963
GI	none	Score	.64
Exons	1758..1987, 3506..3641, 4002..4141, 4226..4339, 4457..4768, 5488..5653, 5798..5955, 6030..6103, 6827..6963		

Seq. No.	47579	Seq. ID	OJ000214_18.0306.C24
Gene No.	101231	Strand	-
Start	3454	End	7401
Name	OJ000214_18.0306.C24.o2.np	Method	AAT/NAP
Start	3454	End	7401
GI	1076211	Score	98
Exons	3454..3483, 3989..4091, 4183..4662, 7313..7401		
GI Descrip.	hypothetical protein VSP-3 - Chlamydomonas reinhardtii gi|530876 (L29029) amino acid feature: Rod protein domain, aa 266 .. 468;		

amino acid feature: globular protein domain, aa 32 .. 265
[Chlamydomonas reinhardtii]

Seq. No.	47580	Seq. ID	OJ000204_14.0308.C1
Gene No.	101232	Strand	-
Start	1	End	796
Name	OJ000204_14.0308.C1.o1.np	Method	AAT/NAP
Start	1	End	796
GI	3777527	Score	412
Exons	1..509, 639..796		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	47580	Seq. ID	OJ000204_14.0308.C1
Gene No.	101232	Strand	-
Start	1	End	796
Name	OJ000204_14.0308.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	253
GI	none	Score	115
Exons	2..253, 3..236		

Seq. No.	47580	Seq. ID	OJ000204_14.0308.C1
Gene No.	101232	Strand	-
Start	1	End	796
Name	OJ000204_14.0308.C1.o1.ts	Method	TBLASTX:Soybean
Start	2	End	298
GI	5509260	Score	185
Exons	2..298, 6..284, 88..285, 104..298		
GI Descrip.	-		

Seq. No.	47580	Seq. ID	OJ000204_14.0308.C1
Gene No.	101232	Strand	-
Start	1	End	796
Name	OJ000204_14.0308.C1.o1.tw	Method	TBLASTX:Wheat
Start	2	End	263
GI	none	Score	50
Exons	2..193, 5..58, 9..131, 173..262, 174..263		

Seq. No.	47581	Seq. ID	OJ000204_14.0308.C2
Gene No.	101233	Strand	-
Start	1	End	330
Name	OJ000204_14.0308.C2.o1.np	Method	AAT/NAP
Start	1	End	330
GI	7489803	Score	158
Exons	1..330		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	47582	Seq. ID	OJ000204_14.0308.C3
Gene No.	101234	Strand	+
Start	292	End	4545
Name	OJ000204_14.0308.C3.o1.gs	Method	GENSCAN
Start	292	End	4163
GI	none	Score	.89
Exons	292..469, 595..753, 2441..2575, 2874..2984, 3060..3203, 3284..3904, 3990..4163		

Seq. No.	47582	Seq. ID	OJ000204_14.0308.C3
Gene No.	101234	Strand	+
Start	292	End	4545
Name	OJ000204_14.0308.C3.o1.np	Method	AAT/NAP
Start	2874	End	4545
GI	6539580	Score	921
Exons	2874..2984, 3060..3183, 3282..3904, 3990..4174, 4266..4418, 4521..4545		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	47582	Seq. ID	OJ000204_14.0308.C3
Gene No.	101235	Strand	-
Start	2057	End	2138
Name	OJ000204_14.0308.C3.o1.gp	Method	AAT/GAP
Start	2057	End	2138
GI	LIB3474-001-P1-K1-D2	Score	89
Exons	2057..2138		
GI Descrip.	'3123271/sp|P51430|RS6_ARATH 8.0e-36 40S RIBOSOMAL PROTEIN S6 >gi_2224751_emb_CAA74381_ (Y14052) ribosomal protein S6 [Arabidopsis thaliana]'		

Seq. No.	47583	Seq. ID	OJ000204_14.0308.C6
Gene No.	101236	Strand	+
Start	617	End	1172
Name	OJ000204_14.0308.C6.o1.gs	Method	GENSCAN
Start	617	End	1172
GI	none	Score	.5
Exons	617..676, 1110..1172		

Seq. No.	47583	Seq. ID	OJ000204_14.0308.C6
Gene No.	101237	Strand	-
Start	2613	End	3446
Name	OJ000204_14.0308.C6.o2.gs	Method	GENSCAN
Start	2613	End	3446
GI	none	Score	.58
Exons	2613..2666, 3281..3313, 3396..3446		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101238	Strand	+
Start	11879	End	13349
Name	OJ000204_14.0308.C7.o5.gs	Method	GENSCAN
Start	11879	End	13349
GI	none	Score	.51
Exons	11879..12260, 12274..12516, 12967..13349		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101239	Strand	+
Start	13583	End	14943
Name	OJ000204_14.0308.C7.o6.gs	Method	GENSCAN
Start	13583	End	14943
GI	none	Score	.59
Exons	13583..13715, 13877..14943		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101239	Strand	+
Start	13583	End	14943
Name	OJ000204_14.0308.C7.o2.np	Method	AAT/NAP

Start	13595	End	14889
GI	6997177	Score	897
Exons	13595..13833, 13912..14889		
GI Descrip.	(AC023839) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101240	Strand	-
Start	1511	End	3874
Name	OJ000204_14.0308.C7.o1.gs	Method	GENSCAN
Start	1511	End	3874
GI	none	Score	.86
Exons	1511..1687, 3830..3874		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101241	Strand	-
Start	5274	End	5771
Name	OJ000204_14.0308.C7.o2.gs	Method	GENSCAN
Start	5274	End	5771
GI	none	Score	.95
Exons	5274..5413, 5669..5771		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101242	Strand	-
Start	6839	End	12458
Name	OJ000204_14.0308.C7.o3.gs	Method	GENSCAN
Start	6839	End	8018
GI	none	Score	.92
Exons	6839..7543, 7746..7858, 7889..8018		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101242	Strand	-
Start	6839	End	12458
Name	OJ000204_14.0308.C7.o1.np	Method	AAT/NAP
Start	6860	End	12458
GI	6862923	Score	294
Exons	6860..7545, 7744..7964, 12318..12458		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101243	Strand	-
Start	14621	End	16642
Name	OJ000204_14.0308.C7.o1.ts	Method	TBLASTX:Soybean
Start	6860	End	11941
GI	none	Score	84
Exons	6860..7105, 6873..7061, 7128..7298, 7142..7306, 7310..7408, 10221..10388, 10973..11152, 11780..11941, 11785..11940		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101243	Strand	-
Start	14621	End	16642
Name	OJ000204_14.0308.C7.o4.tm	Method	TBLASTX:Maize
Start	6860	End	11940
GI	none	Score	81
Exons	6860..7105, 6876..7046, 7124..7297, 7128..7277, 10221..10388, 10379..10414, 10973..11152, 11783..11920, 11785..11940		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7

Gene No.	101243	Strand	-
Start	14621	End	16642
Name	OJ000204_14.0308.C7.o3.tm	Method	TBLASTX:Maize
Start	13696	End	14250
GI	none	Score	79
Exons	13696..13806, 13903..14250		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101243	Strand	-
Start	14621	End	16642
Name	OJ000204_14.0308.C7.o2.tw	Method	TBLASTX:Wheat
Start	13903	End	14190
GI	none	Score	218
Exons	13903..14190		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101243	Strand	-
Start	14621	End	16642
Name	OJ000204_14.0308.C7.o1.tm	Method	TBLASTX:Maize
Start	14268	End	14745
GI	none	Score	556
Exons	14268..14639, 14269..14640, 14331..14657, 14363..14650, 14530..14685, 14638..14676, 14679..14744, 14680..14745		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101243	Strand	-
Start	14621	End	16642
Name	OJ000204_14.0308.C7.o1.tw	Method	TBLASTX:Wheat
Start	14311	End	14734
GI	none	Score	287
Exons	14311..14496, 14316..14486, 14499..14723, 14505..14723, 14506..14733, 14507..14734, 14530..14730		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101243	Strand	-
Start	14621	End	16642
Name	OJ000204_14.0308.C7.o3.np	Method	AAT/NAP
Start	14621	End	16450
GI	4680214	Score	180
Exons	14621..14707, 15827..16052, 16151..16450		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101243	Strand	-
Start	14621	End	16642
Name	OJ000204_14.0308.C7.o7.gs	Method	GENSCAN
Start	15810	End	16642
GI	none	Score	.68
Exons	15810..16079, 16175..16642		

Seq. No.	47584	Seq. ID	OJ000204_14.0308.C7
Gene No.	101243	Strand	-
Start	14621	End	16642
Name	OJ000204_14.0308.C7.o2.tm	Method	TBLASTX:Maize
Start	15879	End	16474
GI	none	Score	225
Exons	15879..16076, 16158..16289, 16167..16439, 16172..16468,		

16324..16473, 16325..16474

Seq. No.	47585	Seq. ID	OJ000204_14.0308.C8
Gene No.	101244	Strand	+
Start	5334	End	6037
Name	OJ000204_14.0308.C8.o2.gs	Method	GENSCAN
Start	5334	End	5906
GI	none	Score	.98
Exons	5334..5906		

Seq. No.	47585	Seq. ID	OJ000204_14.0308.C8
Gene No.	101244	Strand	+
Start	5334	End	6037
Name	OJ000204_14.0308.C8.o2.np	Method	AAT/NAP
Start	5424	End	6037
GI	6862923	Score	181
Exons	5424..6037		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	47585	Seq. ID	OJ000204_14.0308.C8
Gene No.	101245	Strand	-
Start	342	End	5798
Name	OJ000204_14.0308.C8.o1.gs	Method	GENSCAN
Start	342	End	4924
GI	none	Score	.51
Exons	342..434, 458..578, 2302..2325, 2360..2410, 2653..2762, 4545..4924		

Seq. No.	47585	Seq. ID	OJ000204_14.0308.C8
Gene No.	101245	Strand	-
Start	342	End	5798
Name	OJ000204_14.0308.C8.o1.np	Method	AAT/NAP
Start	4200	End	4691
GI	6862923	Score	178
Exons	4200..4691		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	47585	Seq. ID	OJ000204_14.0308.C8
Gene No.	101245	Strand	-
Start	342	End	5798
Name	OJ000204_14.0308.C8.o1.tm	Method	TBLASTX:Maize
Start	4279	End	5798
GI	none	Score	51
Exons	4279..4398, 4296..4403, 4423..4548, 4434..4547, 4538..4693, 4539..4694, 5420..5614, 5427..5606, 5685..5798		

Seq. No.	47585	Seq. ID	OJ000204_14.0308.C8
Gene No.	101245	Strand	-
Start	342	End	5798
Name	OJ000204_14.0308.C8.o1.ts	Method	TBLASTX:Soybean
Start	4296	End	5798
GI	none	Score	48
Exons	4296..4403, 4434..4547, 4440..4538, 4538..4693, 4539..4694, 5408..5605, 5424..5606, 5685..5798		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101246	Strand	+

Start	2876	End	5924
Name	OJ000204_14.0308.C9.o1.gp	Method	AAT/GAP
Start	2827	End	3354
GI	none	Score	976
Exons	2827..3354		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101246	Strand	+
Start	2876	End	5924
Name	OJ000204_14.0308.C9.o2.gs	Method	GENSCAN
Start	2876	End	5924
GI	none	Score	.9
Exons	2876..3979, 4540..4750, 5014..5225, 5343..5924		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101246	Strand	+
Start	2876	End	5924
Name	OJ000204_14.0308.C9.o2.gp	Method	AAT/GAP
Start	4832	End	5233
GI	none	Score	740
Exons	4832..5233		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101247	Strand	+
Start	6592	End	8191
Name	OJ000204_14.0308.C9.o2.np	Method	AAT/NAP
Start	6592	End	8188
GI	4581047	Score	1042
Exons	6592..6712, 6818..6984, 7120..7319, 7403..7565, 7741..7933, 8041..8188		
GI Descrip.	(AF134807) putative dihydroflavonol reductase [Oryza sativa]		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101247	Strand	+
Start	6592	End	8191
Name	OJ000204_14.0308.C9.o3.gs	Method	GENSCAN
Start	6592	End	8191
GI	none	Score	.94
Exons	6592..6615, 7125..7319, 7403..7565, 7741..7933, 8041..8191		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101248	Strand	+
Start	9391	End	10398
Name	OJ000204_14.0308.C9.o4.gp	Method	AAT/GAP
Start	9056	End	9739
GI	53992_1.R1084	Score	877
Exons	9056..9150, 9378..9739		
GI Descrip.	'4467122/emb|CAB37556| 4.0e-28 (AL035538) putative protein [Arabidopsis thaliana]'		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101248	Strand	+
Start	9391	End	10398
Name	OJ000204_14.0308.C9.o4.gs	Method	GENSCAN
Start	9391	End	10392
GI	none	Score	.91
Exons	9391..10392		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101248	Strand	+
Start	9391	End	10398
Name	OJ000204_14.0308.C9.o3.np	Method	AAT/NAP
Start	9400	End	10398
GI	7485857	Score	990
Exons	9400..10398		
GI Descrip.	hypothetical protein F20D10.280 - Arabidopsis thaliana gi|4467122|emb|CAB37556.1| (AL035538) putative protein [Arabidopsis thaliana] gi|7270800|emb|CAB80481.1| (AL161593) putative protein [Arabidopsis thaliana]		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101249	Strand	-
Start	1	End	2417
Name	OJ000204_14.0308.C9.o1.np	Method	AAT/NAP
Start	1	End	2417
GI	4581047	Score	119
Exons	1..53, 606..758, 2348..2417		
GI Descrip.	(AF134807) putative dihydroflavonol reductase [Oryza sativa]		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101250	Strand	-
Start	5740	End	6313
Name	OJ000204_14.0308.C9.o3.gp	Method	AAT/GAP
Start	5740	End	6313
GI	none	Score	1111
Exons	5740..6313		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101251	Strand	-
Start	9932	End	10701
Name	OJ000204_14.0308.C9.o5.gp	Method	AAT/GAP
Start	9932	End	10701
GI	57163_1.R1084	Score	1407
Exons	9932..10701		
GI Descrip.	'4467122/emb|CAB37556| 3.0e-09 (AL035538) putative protein [Arabidopsis thaliana]'		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o2.ts	Method	TBLASTX:Soybean
Start	620	End	7937
GI	none	Score	74
Exons	620..727, 7124..7276, 7125..7190, 7260..7322, 7399..7566, 7403..7570, 7763..7936, 7776..7937		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o3.tm	Method	TBLASTX:Maize
Start	3611	End	3981
GI	none	Score	180
Exons	3611..3979, 3614..3751, 3681..3980, 3814..3981		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o2.tm	Method	TBLASTX:Maize
Start	4679	End	5120
GI	none	Score	56
Exons	4679..4741, 4681..4743, 4747..5115, 4754..5116, 4755..5108, 4756..5109, 4796..5119, 4800..5120		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o3.ts	Method	TBLASTX:Soybean
Start	5418	End	5654
GI	none	Score	191
Exons	5418..5654, 5427..5498		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o4.tm	Method	TBLASTX:Maize
Start	5457	End	5801
GI	none	Score	254
Exons	5457..5801, 5457..5744		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o1.tw	Method	TBLASTX:Wheat
Start	6586	End	6990
GI	none	Score	121
Exons	6586..6708, 6615..6707, 6826..6990		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o1.ts	Method	TBLASTX:Soybean
Start	6588	End	6963
GI	none	Score	66
Exons	6588..6710, 6589..6711, 6615..6710, 6826..6963, 6838..6951		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o2.tc	Method	TBLASTX:Cress
Start	6615	End	7456
GI	none	Score	124
Exons	6615..6710, 6616..6711, 6826..6990, 6828..6971, 7124..7276, 7125..7184, 7260..7307, 7421..7456		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o6.tm	Method	TBLASTX:Maize
Start	6615	End	7184
GI	none	Score	119
Exons	6615..6707, 6616..6708, 6826..6990, 7125..7184		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o1.tc	Method	TBLASTX:Cress
Start	9409	End	9773
GI	none	Score	246
Exons	9409..9687, 9516..9686, 9532..9708, 9675..9761, 9676..9768, 9708..9773		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o1.tm	Method	TBLASTX:Maize
Start	9630	End	10246
GI	none	Score	943
Exons	9630..10244, 9631..10245, 9818..10246		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o3.tc	Method	TBLASTX:Cress
Start	10143	End	10382
GI	none	Score	244
Exons	10143..10382, 10144..10374		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o7.tm	Method	TBLASTX:Maize
Start	10773	End	11019
GI	none	Score	105
Exons	10773..10877, 10810..10890, 10811..10894, 10882..11019, 10883..11005		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o4.np	Method	AAT/NAP
Start	10795	End	13238
GI	6642679	Score	448
Exons	10795..11106, 11180..11317, 11402..11485, 11764..11863, 11945..12499, 12762..12877, 13218..13238		
GI Descrip.	(AC015450) unknown protein [Arabidopsis thaliana]		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o4.tc	Method	TBLASTX:Cress
Start	10945	End	11814
GI	none	Score	81
Exons	10945..11013, 10984..11106, 11177..11305, 11411..11500, 11764..11814		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238

Name	OJ000204_14.0308.C9.o5.tm	Method	TBLASTX:Maize
Start	11177	End	11506
GI	none	Score	82
Exons	11177..11269, 11179..11265, 11179..11280, 11180..11266, 11267..11308, 11274..11309, 11274..11312, 11399..11488, 11403..11486, 11404..11487, 11408..11506		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o5.gs	Method	GENSCAN
Start	11552	End	12869
GI	none	Score	.89
Exons	11552..11632, 11764..11863, 11945..12117, 12238..12342, 12738..12869		

Seq. No.	47586	Seq. ID	OJ000204_14.0308.C9
Gene No.	101252	Strand	-
Start	10795	End	13238
Name	OJ000204_14.0308.C9.o6.gp	Method	AAT/GAP
Start	12014	End	12801
GI	none	Score	1000
Exons	12014..12342, 12512..12640, 12738..12801		

Seq. No.	47587	Seq. ID	OJ000204_14.0308.C10
Gene No.	101253	Strand	-
Start	402	End	1522
Name	OJ000204_14.0308.C10.o1.gs	Method	GENSCAN
Start	402	End	1522
GI	none	Score	.52
Exons	402..520, 1419..1522		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101254	Strand	+
Start	1373	End	1606
Name	OJ000204_14.0308.C11.o1.gs	Method	GENSCAN
Start	1373	End	1606
GI	none	Score	.63
Exons	1373..1606		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101255	Strand	+
Start	4215	End	5687
Name	OJ000204_14.0308.C11.o3.gs	Method	GENSCAN
Start	4215	End	5687
GI	none	Score	.75
Exons	4215..4277, 4628..4678, 5062..5172, 5556..5687		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101255	Strand	+
Start	4215	End	5687
Name	OJ000204_14.0308.C11.o1.gp	Method	AAT/GAP
Start	4946	End	5055
GI	uC-osflcyp088b12b1	Score	158
Exons	4946..5055		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101256	Strand	+
Start	8271	End	8887
Name	OJ000204_14.0308.C11.o5.gs	Method	GENSCAN
Start	8271	End	8887
GI	none	Score	.71
Exons	8271..8333, 8348..8572, 8663..8887		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101257	Strand	+
Start	16189	End	17164
Name	OJ000204_14.0308.C11.o7.gs	Method	GENSCAN
Start	16189	End	17164
GI	none	Score	.97
Exons	16189..16845, 16847..17164		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101258	Strand	+
Start	18566	End	31580
Name	OJ000204_14.0308.C11.o8.gs	Method	GENSCAN
Start	18566	End	31580
GI	none	Score	.4
Exons	18566..19550, 19754..19794, 20158..20575, 20671..20809, 20901..20955, 22927..23089, 23716..25268, 25357..25874, 26310..26515, 26579..27150, 27886..27960, 28058..28104, 28767..28833, 29218..30039, 30480..31580		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101258	Strand	+
Start	18566	End	31580
Name	OJ000204_14.0308.C11.o1.np	Method	AAT/NAP
Start	26293	End	27568
GI	5902445	Score	1420
Exons	26293..27568		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101258	Strand	+
Start	18566	End	31580
Name	OJ000204_14.0308.C11.o2.np	Method	AAT/NAP
Start	29056	End	31406
GI	5911167	Score	1525
Exons	29056..31406		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101259	Strand	-
Start	2220	End	2899
Name	OJ000204_14.0308.C11.o2.gs	Method	GENSCAN
Start	2220	End	2899
GI	none	Score	.66
Exons	2220..2380, 2845..2899		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101260	Strand	-
Start	6468	End	7492

Name	OJ000204_14.0308.C11.o4.gs	Method	GENSCAN
Start	6468	End	7492
GI	none	Score	.82
Exons	6468..6609, 6942..7492		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101261	Strand	-
Start	10062	End	26046
Name	OJ000204_14.0308.C11.o3.tw	Method	TBLASTX:Wheat
Start	5620	End	26046
GI	none	Score	67
Exons	5620..5721, 11498..11623, 25591..25773, 25599..25772, 25810..26046, 25812..25928, 25822..26031, 25971..26036		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101261	Strand	-
Start	10062	End	26046
Name	OJ000204_14.0308.C11.o6.gs	Method	GENSCAN
Start	10062	End	14965
GI	none	Score	.5
Exons	10062..10703, 12676..12706, 12799..13281, 14228..14374, 14455..14587, 14929..14965		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101261	Strand	-
Start	10062	End	26046
Name	OJ000204_14.0308.C11.o7.tm	Method	TBLASTX:Maize
Start	16237	End	18871
GI	none	Score	192
Exons	16237..16497, 16318..16449, 16386..16496, 18617..18826, 18635..18871, 18754..18852		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101261	Strand	-
Start	10062	End	26046
Name	OJ000204_14.0308.C11.o4.ts	Method	TBLASTX:Soybean
Start	16270	End	18919
GI	none	Score	40
Exons	16270..16317, 16318..16488, 16504..16551, 18635..18685, 18686..18865, 18760..18843, 18860..18919		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101261	Strand	-
Start	10062	End	26046
Name	OJ000204_14.0308.C11.o1.tc	Method	TBLASTX:Cress
Start	16318	End	19402
GI	none	Score	109
Exons	16318..16479, 16389..16463, 16489..16551, 16500..16550, 16578..16733, 16579..16737, 16801..16827, 16832..16999, 18686..18865, 18757..18831, 18860..18919, 18871..18918, 18956..19000, 19031..19099, 19036..19119, 19163..19402, 19165..19311		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101261	Strand	-
Start	10062	End	26046
Name	OJ000204_14.0308.C11.o6.tm	Method	TBLASTX:Maize

Start	16621	End	19366
GI	none	Score	41
Exons	16621..16656, 16663..16731, 16663..16737, 16786..16827, 16832..16972, 16840..16971, 18992..19024, 19007..19102, 19012..19140, 19111..19311, 19112..19366, 19226..19366		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101261	Strand	-
Start	10062	End	26046
Name	OJ000204_14.0308.C11.o5.tw	Method	TBLASTX:Wheat
Start	24564	End	24962
GI	none	Score	59
Exons	24564..24614, 24615..24728, 24626..24676, 24702..24962, 24728..24961		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101262	Strand	
Start	26238	End	26724
Name	OJ000204_14.0308.C11.o1.tw	Method	TBLASTX:Wheat
Start	26238	End	26694
GI	none	Score	556
Exons	26238..26693, 26239..26694		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101262	Strand	
Start	26238	End	26724
Name	OJ000204_14.0308.C11.o3.ts	Method	TBLASTX:Soybean
Start	26278	End	26643
GI	none	Score	109
Exons	26278..26502, 26509..26643		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101262	Strand	
Start	26238	End	26724
Name	OJ000204_14.0308.C11.o4.tm	Method	TBLASTX:Maize
Start	26368	End	26724
GI	none	Score	402
Exons	26368..26724, 26422..26670, 26430..26723		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101263	Strand	
Start	26752	End	27288
Name	OJ000204_14.0308.C11.o5.tm	Method	TBLASTX:Maize
Start	26752	End	27135
GI	none	Score	315
Exons	26752..27135, 26787..26849, 26907..27134		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101263	Strand	
Start	26752	End	27288
Name	OJ000204_14.0308.C11.o2.tw	Method	TBLASTX:Wheat
Start	26809	End	27233
GI	none	Score	447
Exons	26809..27231, 26907..27233		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101263	Strand	

Start	26752	End	27288
Name	OJ000204_14.0308.C11.o1.ts	Method	TBLASTX:Soybean
Start	26863	End	27288
GI	none	Score	291
Exons	26863..27288, 26907..27047		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101264	Strand	
Start	27353	End	27536
Name	OJ000204_14.0308.C11.o7.tw	Method	TBLASTX:Wheat
Start	27353	End	27536
GI	none	Score	197
Exons	27353..27526, 27354..27536		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101265	Strand	
Start	29623	End	30215
Name	OJ000204_14.0308.C11.o8.tw	Method	TBLASTX:Wheat
Start	29623	End	29901
GI	none	Score	141
Exons	29623..29772, 29634..29759, 29788..29901		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101265	Strand	
Start	29623	End	30215
Name	OJ000204_14.0308.C11.o2.tm	Method	TBLASTX:Maize
Start	29706	End	30174
GI	none	Score	192
Exons	29706..29855, 29707..29865, 29713..29859, 29857..30174, 29868..30173, 29872..30174		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101265	Strand	
Start	29623	End	30215
Name	OJ000204_14.0308.C11.o2.tc	Method	TBLASTX:Cress
Start	29794	End	30129
GI	none	Score	102
Exons	29794..29886, 29796..29894, 29908..30129, 29976..30071		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101265	Strand	
Start	29623	End	30215
Name	OJ000204_14.0308.C11.o6.tw	Method	TBLASTX:Wheat
Start	29914	End	30215
GI	none	Score	239
Exons	29914..30174, 29928..30215		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101266	Strand	
Start	30330	End	30791
Name	OJ000204_14.0308.C11.o3.tm	Method	TBLASTX:Maize
Start	30330	End	30791
GI	none	Score	108
Exons	30330..30395, 30331..30405, 30331..30402, 30408..30581, 30408..30557, 30410..30589, 30564..30791, 30621..30788		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11

Gene No.	101267	Strand	
Start	30821	End	31373
Name	OJ000204_14.0308.C11.o1.tm	Method	TBLASTX:Maize
Start	30821	End	31316
GI	none	Score	622
Exons	30821..31315, 30822..31316		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101267	Strand	
Start	30821	End	31373
Name	OJ000204_14.0308.C11.o2.ts	Method	TBLASTX:Soybean
Start	30879	End	31268
GI	none	Score	106
Exons	30879..31013, 30911..30991, 31026..31268, 31073..31267		

Seq. No.	47588	Seq. ID	OJ000204_14.0308.C11
Gene No.	101267	Strand	
Start	30821	End	31373
Name	OJ000204_14.0308.C11.o4.tw	Method	TBLASTX:Wheat
Start	30957	End	31373
GI	none	Score	305
Exons	30957..31373, 31124..31327		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101268	Strand	+
Start	193	End	801
Name	OJ000204_14.0308.C12.o1.gs	Method	GENSCAN
Start	193	End	801
GI	none	Score	.67
Exons	193..801		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101269	Strand	+
Start	2172	End	8786
Name	OJ000204_14.0308.C12.o3.gs	Method	GENSCAN
Start	2172	End	8786
GI	none	Score	.5
Exons	2172..2321, 2391..2439, 3365..3637, 3670..3790, 4533..4782, 4930..5288, 5377..5617, 5702..5914, 5988..6080, 6183..6284, 7429..7786, 8330..8432, 8672..8786		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101270	Strand	+
Start	13138	End	15228
Name	OJ000204_14.0308.C12.o4.np	Method	AAT/NAP
Start	13138	End	15228
GI	7523517	Score	283
Exons	13138..13436, 13587..13635, 15207..15228		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101271	Strand	+
Start	16292	End	17373
Name	OJ000204_14.0308.C12.o5.gs	Method	GENSCAN
Start	16292	End	17373
GI	none	Score	.77
Exons	16292..16425, 16431..16607, 16609..16903, 16936..17373		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101271	Strand	+
Start	16292	End	17373
Name	OJ000204_14.0308.C12.o5.np	Method	AAT/NAP
Start	16402	End	17373
GI	1706740	Score	559
Exons	16402..17373		
GI Descrip.	FLAVONOL 4'-SULFOTRANSFERASE (F4-ST) gi|168169 (M84136) flavonol 4'-sulfotransferase [Flaveria chloraefolia]		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101272	Strand	+
Start	19996	End	25805
Name	OJ000204_14.0308.C12.o7.np	Method	AAT/NAP
Start	19996	End	25805
GI	7340884	Score	97
Exons	19996..20153, 20362..20422, 25770..25805		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101272	Strand	+
Start	19996	End	25805
Name	OJ000204_14.0308.C12.o7.gs	Method	GENSCAN
Start	20298	End	24165
GI	none	Score	.62
Exons	20298..20352, 21495..21623, 22527..22640, 22776..22942, 23640..23657, 23998..24165		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101272	Strand	+
Start	19996	End	25805
Name	OJ000204_14.0308.C12.o8.np	Method	AAT/NAP
Start	20658	End	23915
GI	6539588	Score	298
Exons	20658..20684, 21401..21674, 23867..23915		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101273	Strand	-
Start	1517	End	1803
Name	OJ000204_14.0308.C12.o2.gs	Method	GENSCAN
Start	1517	End	1803
GI	none	Score	.63
Exons	1517..1783, 1798..1803		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101274	Strand	-
Start	9634	End	12818
Name	OJ000204_14.0308.C12.o4.gs	Method	GENSCAN
Start	9634	End	12690
GI	none	Score	.67
Exons	9634..9711, 10081..10250, 10295..10440, 10445..10530, 10617..11340, 11411..11469, 11539..11733, 11800..11924, 12126..12690		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101274	Strand	-
Start	9634	End	12818
Name	OJ000204_14.0308.C12.o2.np	Method	AAT/NAP
Start	10575	End	12818
GI	6721561	Score	1024
Exons	10575..11340, 11411..11469, 11539..11742, 12796..12818		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101274	Strand	-
Start	9634	End	12818
Name	OJ000204_14.0308.C12.o3.np	Method	AAT/NAP
Start	11136	End	12690
GI	6721558	Score	244
Exons	11136..11342, 11800..11924, 12591..12690		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101275	Strand	-
Start	17753	End	22424
Name	OJ000204_14.0308.C12.o2.tm	Method	TBLASTX:Maize
Start	22	End	279
GI	none	Score	250
Exons	22..279, 63..278		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101275	Strand	-
Start	17753	End	22424
Name	OJ000204_14.0308.C12.o1.tm	Method	TBLASTX:Maize
Start	5498	End	5917
GI	none	Score	92
Exons	5498..5584, 5699..5917, 5740..5913		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101275	Strand	-
Start	17753	End	22424
Name	OJ000204_14.0308.C12.o1.tc	Method	TBLASTX:Cress
Start	16564	End	17208
GI	none	Score	96
Exons	16564..16641, 16572..16640, 16669..16719, 16670..16720, 16750..16902, 16784..16906, 16978..17208, 16980..17126		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101275	Strand	-
Start	17753	End	22424
Name	OJ000204_14.0308.C12.o3.tm	Method	TBLASTX:Maize
Start	16822	End	17181
GI	none	Score	82
Exons	16822..16887, 16832..16900, 16922..16975, 16974..17126, 16980..17126, 16981..17181		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101275	Strand	-
Start	17753	End	22424
Name	OJ000204_14.0308.C12.o6.np	Method	AAT/NAP
Start	17753	End	22424
GI	6069646	Score	106
Exons	17753..17882, 22404..22424		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	47589	Seq. ID	OJ000204_14.0308.C12
Gene No.	101275	Strand	-
Start	17753	End	22424
Name	OJ000204_14.0308.C12.o6.gs	Method	GENSCAN
Start	18364	End	20115
GI	none	Score	.47
Exons	18364..18539, 18662..18759, 18956..19034, 19424..19482, 19488..19602, 19968..20115		

Seq. No.	47590	Seq. ID	OJ000204_14.0308.C13
Gene No.	101276	Strand	+
Start	184	End	2133
Name	OJ000204_14.0308.C13.o1.gs	Method	GENSCAN
Start	184	End	1759
GI	none	Score	.89
Exons	184..412, 1700..1759		

Seq. No.	47590	Seq. ID	OJ000204_14.0308.C13
Gene No.	101276	Strand	+
Start	184	End	2133
Name	OJ000204_14.0308.C13.o1.np	Method	AAT/NAP
Start	184	End	2133
GI	6907105	Score	369
Exons	184..452, 1686..1759, 2106..2133		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47591	Seq. ID	OJ000214_12.0306.C2
Gene No.	101277	Strand	+
Start	773	End	998
Name	OJ000214_12.0306.C2.o1.gp	Method	AAT/GAP
Start	773	End	998
GI	none	Score	270
Exons	773..816, 894..998		

Seq. No.	47592	Seq. ID	OJ000214_12.0306.C3
Gene No.	101278	Strand	+
Start	3378	End	4751
Name	OJ000214_12.0306.C3.o1.np	Method	AAT/NAP
Start	3378	End	4751
GI	2980772	Score	1379
Exons	3378..3521, 3549..4751		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	47592	Seq. ID	OJ000214_12.0306.C3
Gene No.	101279	Strand	+
Start	7748	End	7816
Name	OJ000214_12.0306.C3.o2.np	Method	AAT/NAP
Start	7748	End	7816
GI	7523516	Score	61
Exons	7748..7816		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47592	Seq. ID	OJ000214_12.0306.C3
Gene No.	101280	Strand	-
Start	9702	End	10899
Name	OJ000214_12.0306.C3.o1.ts	Method	TBLASTX:Soybean
Start	3405	End	4202
GI	none	Score	81
Exons	3405..3488, 3429..3503, 3543..3692, 3552..3950, 3698..3871, 3947..4150, 3948..4202, 3966..4202		

Seq. No.	47592	Seq. ID	OJ000214_12.0306.C3
Gene No.	101280	Strand	-
Start	9702	End	10899
Name	OJ000214_12.0306.C3.o2.ts	Method	TBLASTX:Soybean
Start	4218	End	4559
GI	none	Score	95
Exons	4218..4307, 4220..4348, 4299..4448, 4301..4444, 4524..4559		

Seq. No.	47592	Seq. ID	OJ000214_12.0306.C3
Gene No.	101280	Strand	-
Start	9702	End	10899
Name	OJ000214_12.0306.C3.o1.tm	Method	TBLASTX:Maize
Start	4599	End	4762
GI	none	Score	198
Exons	4599..4733, 4601..4762, 4697..4762		

Seq. No.	47592	Seq. ID	OJ000214_12.0306.C3
Gene No.	101280	Strand	-
Start	9702	End	10899
Name	OJ000214_12.0306.C3.o2.gs	Method	GENSCAN
Start	9702	End	10899
GI	none	Score	.43
Exons	9702..9738, 9828..9875, 10618..10803, 10841..10899		

Seq. No.	47593	Seq. ID	OJ000214_12.0306.C6
Gene No.	101281	Strand	+
Start	84	End	165
Name	OJ000214_12.0306.C6.o1.gs	Method	GENSCAN
Start	84	End	165
GI	none	Score	.7
Exons	84..165		

Seq. No.	47593	Seq. ID	OJ000214_12.0306.C6
Gene No.	101282	Strand	-
Start	2312	End	2560
Name	OJ000214_12.0306.C6.o2.gs	Method	GENSCAN
Start	2312	End	2560
GI	none	Score	.72
Exons	2312..2560		

Seq. No.	47594	Seq. ID	OJ000214_12.0306.C7
Gene No.	101283	Strand	+
Start	1081	End	1302
Name	OJ000214_12.0306.C7.o1.gp	Method	AAT/GAP
Start	1081	End	1302
GI	none	Score	431
Exons	1081..1302		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101284	Strand	+
Start	348	End	1389
Name	OJ000214_12.0306.C9.o1.gs	Method	GENSCAN
Start	348	End	1389
GI	none	Score	.67
Exons	348..524, 613..732, 960..1104, 1328..1389		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101284	Strand	+
Start	348	End	1389
Name	OJ000214_12.0306.C9.o1.np	Method	AAT/NAP
Start	348	End	1160
GI	7485364	Score	373
Exons	348..524, 613..732, 960..1160		
GI Descrip.	hypothetical protein F10N7.140 - Arabidopsis thaliana gi|2827631|emb|CAA16584.1| (AL021636) putative protein [Arabidopsis thaliana] gi|7270110|emb|CAB79924.1| (AL161580) putative protein [Arabidopsis thaliana]		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101284	Strand	+
Start	348	End	1389
Name	OJ000214_12.0306.C9.o1.gp	Method	AAT/GAP
Start	366	End	1175
GI	uC-osflcyp125h03b1	Score	909
Exons	366..524, 613..732, 960..1175		
GI Descrip.	'2827631/emb|CAA16584.1| 3.0e-35 (AL021636) putative protein [Arabidopsis thaliana]'		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101285	Strand	-
Start	2058	End	5236
Name	OJ000214_12.0306.C9.o2.np	Method	AAT/NAP
Start	2058	End	5236
GI	6466945	Score	874
Exons	2058..2473, 2507..2747, 3228..3582, 3659..3753, 3790..3839, 5160..5236		
GI Descrip.	(AC009176) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101286	Strand	-
Start	5820	End	6580
Name	OJ000214_12.0306.C9.o2.tm	Method	TBLASTX:Maize
Start	345	End	1004
GI	none	Score	208
Exons	345..524, 346..525, 347..532, 602..721, 610..735, 612..725, 954..1004, 960..1004		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101286	Strand	-
Start	5820	End	6580
Name	OJ000214_12.0306.C9.o4.ts	Method	TBLASTX:Soybean
Start	345	End	1142
GI	none	Score	171
Exons	345..524, 346..525, 610..735, 612..725, 954..1091, 959..1141, 960..1142		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101286	Strand	-
Start	5820	End	6580
Name	OJ000214_12.0306.C9.o2.tc	Method	TBLASTX:Cress
Start	2073	End	2426
GI	none	Score	95
Exons	2073..2426, 2133..2426		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101286	Strand	-
Start	5820	End	6580
Name	OJ000214_12.0306.C9.o1.tw	Method	TBLASTX:Wheat
Start	2166	End	3848
GI	none	Score	137
Exons	2166..2351, 2167..2352, 2214..2351, 2344..2451, 2345..2389, 2346..2456, 2508..2594, 3789..3848		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101286	Strand	-
Start	5820	End	6580
Name	OJ000214_12.0306.C9.o1.ts	Method	TBLASTX:Soybean
Start	2268	End	2715
GI	none	Score	66
Exons	2268..2393, 2268..2456, 2308..2394, 2506..2715, 2508..2708		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101286	Strand	-
Start	5820	End	6580
Name	OJ000214_12.0306.C9.o3.tc	Method	TBLASTX:Cress
Start	3228	End	3632
GI	none	Score	135
Exons	3228..3290, 3390..3632		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101286	Strand	-
Start	5820	End	6580
Name	OJ000214_12.0306.C9.o3.ts	Method	TBLASTX:Soybean
Start	3228	End	3714
GI	none	Score	65
Exons	3228..3344, 3229..3282, 3363..3440, 3456..3584, 3658..3714		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101286	Strand	-
Start	5820	End	6580
Name	OJ000214_12.0306.C9.o2.gp	Method	AAT/GAP
Start	5331	End	6580
GI	1427_1.R1084	Score	1580

Exons	5331..6004, 6110..6256, 6557..6580
GI Descrip.	'4504379/ref|NP_003658.1|pHG38| 2.0e-13 G protein-coupled receptor 49 >gi_3366802 (AF062006) orphan G protein-coupled receptor HG38 [Homo sapiens]'

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101286	Strand	-
Start	5820	End	6580
Name	OJ000214_12.0306.C9.o2.ts	Method	TBLASTX:Soybean
Start	5817	End	6234
GI	none	Score	69
Exons	5817..6008, 5821..5904, 6105..6233, 6109..6234		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101286	Strand	-
Start	5820	End	6580
Name	OJ000214_12.0306.C9.o1.tc	Method	TBLASTX:Cress
Start	5820	End	6255
GI	none	Score	111
Exons	5820..6008, 5821..6006, 5862..6020, 6105..6251, 6108..6254, 6109..6255, 6156..6248		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101286	Strand	-
Start	5820	End	6580
Name	OJ000214_12.0306.C9.o1.tm	Method	TBLASTX:Maize
Start	5820	End	6284
GI	none	Score	114
Exons	5820..5999, 5820..6008, 5821..6006, 5850..6026, 5865..6026, 5865..6002, 6102..6254, 6105..6254, 6109..6255, 6147..6284, 6156..6278		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101286	Strand	-
Start	5820	End	6580
Name	OJ000214_12.0306.C9.o2.tw	Method	TBLASTX:Wheat
Start	5820	End	6009
GI	none	Score	115
Exons	5820..6008, 5821..6009		

Seq. No.	47595	Seq. ID	OJ000214_12.0306.C9
Gene No.	101286	Strand	-
Start	5820	End	6580
Name	OJ000214_12.0306.C9.o3.gs	Method	GENSCAN
Start	5820	End	6275
GI	none	Score	.5
Exons	5820..6004, 6110..6275		

Seq. No.	47596	Seq. ID	OJ000214_12.0306.C12
Gene No.	101287	Strand	+
Start	1	End	1079
Name	OJ000214_12.0306.C12.o1.np	Method	AAT/NAP
Start	1	End	953
GI	4006833	Score	279
Exons	1..953		
GI Descrip.	(AC005970) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	47596	Seq. ID	OJ000214_12.0306.C12
Gene No.	101287	Strand	+
Start	1	End	1079
Name	OJ000214_12.0306.C12.o1.tm	Method	TBLASTX:Maize
Start	2	End	632
GI	none	Score	56
Exons	2..37, 39..155, 135..485, 136..495, 471..611, 606..632		

Seq. No.	47596	Seq. ID	OJ000214_12.0306.C12
Gene No.	101287	Strand	+
Start	1	End	1079
Name	OJ000214_12.0306.C12.o1.ts	Method	TBLASTX:Soybean
Start	217	End	776
GI	none	Score	98
Exons	217..381, 421..495, 570..776		

Seq. No.	47596	Seq. ID	OJ000214_12.0306.C12
Gene No.	101287	Strand	+
Start	1	End	1079
Name	OJ000214_12.0306.C12.o1.gs	Method	GENSCAN
Start	444	End	1079
GI	none	Score	.41
Exons	444..1079		

Seq. No.	47596	Seq. ID	OJ000214_12.0306.C12
Gene No.	101287	Strand	+
Start	1	End	1079
Name	OJ000214_12.0306.C12.o1.tw	Method	TBLASTX:Wheat
Start	479	End	926
GI	none	Score	292
Exons	479..778, 498..776, 798..926		

Seq. No.	47597	Seq. ID	OJ000214_12.0306.C13
Gene No.	101288	Strand	-
Start	1072	End	1345
Name	OJ000214_12.0306.C13.o1.gp	Method	AAT/GAP
Start	1072	End	1345
GI	16713_1.R1084	Score	503
Exons	1072..1345		
GI Descrip.	'2239083/emb|CAB06427| 2.0e-13 (Z84383) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] >gi_2239087_emb_CAB06429_ (Z84385) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'		

Seq. No.	47598	Seq. ID	OJ000214_12.0306.C14
Gene No.	101289	Strand	+
Start	1114	End	1157
Name	OJ000214_12.0306.C14.o1.gs	Method	GENSCAN
Start	1114	End	1157
GI	none	Score	.4
Exons	1114..1157		

Seq. No.	47599	Seq. ID	OJ000214_12.0306.C15
Gene No.	101290	Strand	-
Start	1	End	295
Name	OJ000214_12.0306.C15.o1.gp	Method	AAT/GAP

Start	1	End	295
GI	29375_1.R1084	Score	320
Exons	1..73, 199..295		
GI Descrip.	'2239091/emb|CAB06538| 2.0e-25 (Z84571) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'		

Seq. No.	47599	Seq. ID	OJ000214_12.0306.C15
Gene No.	101290	Strand	-
Start	1	End	295
Name	OJ000214_12.0306.C15.o1.gs	Method	GENSCAN
Start	17	End	73
GI	none	Score	.76
Exons	17..73		

Seq. No.	47599	Seq. ID	OJ000214_12.0306.C15
Gene No.	101291	Strand	-
Start	746	End	4439
Name	OJ000214_12.0306.C15.o2.gs	Method	GENSCAN
Start	746	End	4439
GI	none	Score	.52
Exons	746..817, 1034..1162, 1544..1672, 2444..2606, 2698..2722, 3109..3316, 3664..3764, 4283..4439		

Seq. No.	47600	Seq. ID	OJ000214_12.0306.C16
Gene No.	101292	Strand	+
Start	73	End	2381
Name	OJ000214_12.0306.C16.o1.gp	Method	AAT/GAP
Start	73	End	1113
GI	5771068	Score	582
Exons	73..318, 1033..1113		

Seq. No.	47600	Seq. ID	OJ000214_12.0306.C16
Gene No.	101292	Strand	+
Start	73	End	2381
Name	OJ000214_12.0306.C16.o1.gs	Method	GENSCAN
Start	160	End	2135
GI	none	Score	.64
Exons	160..318, 1981..2135		

Seq. No.	47600	Seq. ID	OJ000214_12.0306.C16
Gene No.	101292	Strand	+
Start	73	End	2381
Name	OJ000214_12.0306.C16.o1.np	Method	AAT/NAP
Start	163	End	2381
GI	951453	Score	285
Exons	163..295, 1019..1103, 1981..2083, 2184..2381		
GI Descrip.	(M95746) initiation factor (iso)4f p82 subunit [Triticum aestivum]		

Seq. No.	47601	Seq. ID	OJ000214_12.0306.C17
Gene No.	101293	Strand	-
Start	1	End	730
Name	OJ000214_12.0306.C17.o1.gp	Method	AAT/GAP
Start	1	End	730
GI	30091_1.R1084	Score	651
Exons	1..56, 440..730		
GI Descrip.	'4584527/emb|CAB40758.1| 8.0e-17 (AL049607) putative protein		

[Arabidopsis thaliana]'

Seq. No.	47601	Seq. ID	OJ000214_12.0306.C17
Gene No.	101293	Strand	-
Start	1	End	730
Name	OJ000214_12.0306.C17.o1.gs	Method	GENSCAN
Start	256	End	707
GI	none	Score	.79
Exons	256..279, 440..707		

Seq. No.	47602	Seq. ID	OJ000214_12.0306.C18
Gene No.	101294	Strand	-
Start	1	End	1220
Name	OJ000214_12.0306.C18.o1.np	Method	AAT/NAP
Start	1	End	1220
GI	7485380	Score	311
Exons	1..40, 134..315, 404..607, 1119..1220		
GI Descrip.	hypothetical protein F11C18.80 - Arabidopsis thaliana gi|4584527|emb|CAB40758.1| (AL049607) putative protein [Arabidopsis thaliana] gi|7270091|emb|CAB79906.1| (AL161579) putative protein [Arabidopsis thaliana]		

Seq. No.	47602	Seq. ID	OJ000214_12.0306.C18
Gene No.	101294	Strand	-
Start	1	End	1220
Name	OJ000214_12.0306.C18.o1.tc	Method	TBLASTX:Cress
Start	133	End	598
GI	none	Score	99
Exons	133..321, 143..235, 387..491, 404..598, 525..587		

Seq. No.	47602	Seq. ID	OJ000214_12.0306.C18
Gene No.	101294	Strand	-
Start	1	End	1220
Name	OJ000214_12.0306.C18.o1.gs	Method	GENSCAN
Start	134	End	1217
GI	none	Score	.97
Exons	134..315, 404..607, 1119..1217		

Seq. No.	47602	Seq. ID	OJ000214_12.0306.C18
Gene No.	101294	Strand	-
Start	1	End	1220
Name	OJ000214_12.0306.C18.o1.ts	Method	TBLASTX:Soybean
Start	386	End	1202
GI	none	Score	110
Exons	386..613, 402..602, 1122..1202		

Seq. No.	47602	Seq. ID	OJ000214_12.0306.C18
Gene No.	101294	Strand	-
Start	1	End	1220
Name	OJ000214_12.0306.C18.o1.tm	Method	TBLASTX:Maize
Start	404	End	627
GI	none	Score	162
Exons	404..625, 406..627, 407..625		

Seq. No.	47603	Seq. ID	OJ000214_12.0306.C19
Gene No.	101295	Strand	-
Start	467	End	530

Name	OJ000214_12.0306.C19.o1.gs	Method	GENSCAN
Start	467	End	530
GI	none	Score	.46
Exons	467..530		

Seq. No.	47604	Seq. ID	OJ000214_12.0306.C21
Gene No.	101296	Strand	+
Start	306	End	737
Name	OJ000214_12.0306.C21.o1.gs	Method	GENSCAN
Start	306	End	737
GI	none	Score	.67
Exons	306..475, 623..737		

Seq. No.	47605	Seq. ID	OJ000214_12.0306.C22
Gene No.	101297	Strand	+
Start	1379	End	2236
Name	OJ000214_12.0306.C22.o1.gs	Method	GENSCAN
Start	1379	End	2192
GI	none	Score	.85
Exons	1379..1882, 2126..2192		

Seq. No.	47605	Seq. ID	OJ000214_12.0306.C22
Gene No.	101297	Strand	+
Start	1379	End	2236
Name	OJ000214_12.0306.C22.o1.np	Method	AAT/NAP
Start	1384	End	2236
GI	4583546	Score	590
Exons	1384..1882, 2126..2236		
GI Descrip.	(AJ010819) GrpE protein [Arabidopsis thaliana]		

Seq. No.	47605	Seq. ID	OJ000214_12.0306.C22
Gene No.	101297	Strand	+
Start	1379	End	2236
Name	OJ000214_12.0306.C22.o1.ts	Method	TBLASTX:Soybean
Start	1442	End	2236
GI	none	Score	521
Exons	1442..1885, 1465..1878, 2126..2236, 2134..2235		

Seq. No.	47605	Seq. ID	OJ000214_12.0306.C22
Gene No.	101297	Strand	+
Start	1379	End	2236
Name	OJ000214_12.0306.C22.o1.tm	Method	TBLASTX:Maize
Start	1511	End	2236
GI	none	Score	472
Exons	1511..1885, 1511..1882, 1555..1884, 2126..2236, 2134..2235		

Seq. No.	47605	Seq. ID	OJ000214_12.0306.C22
Gene No.	101297	Strand	+
Start	1379	End	2236
Name	OJ000214_12.0306.C22.o1.tc	Method	TBLASTX:Cress
Start	1664	End	2218
GI	none	Score	272
Exons	1664..1885, 1681..1902, 2126..2218, 2134..2217		

Seq. No.	47606	Seq. ID	OJ000214_12.0306.C24
Gene No.	101298	Strand	-
Start	19	End	714

Name	OJ000214_12.0306.C24.o1.tm	Method	TBLASTX:Maize
Start	15	End	635
GI	none	Score	90
Exons	15..71, 19..69, 437..634, 438..635		

Seq. No.	47606	Seq. ID	OJ000214_12.0306.C24
Gene No.	101298	Strand	-
Start	19	End	714
Name	OJ000214_12.0306.C24.o1.gs	Method	GENSCAN
Start	19	End	631
GI	none	Score	.77
Exons	19..69, 440..631		

Seq. No.	47606	Seq. ID	OJ000214_12.0306.C24
Gene No.	101298	Strand	-
Start	19	End	714
Name	OJ000214_12.0306.C24.o1.np	Method	AAT/NAP
Start	490	End	714
GI	6503292	Score	46
Exons	490..714		
GI Descrip.	(AC011713) ESTs gb|Z34732, gb|R89948 and gb|Z33946 come from this gene. [Arabidopsis thaliana]		

Seq. No.	47607	Seq. ID	OJ000214_12.0306.C25
Gene No.	101299	Strand	+
Start	810	End	3035
Name	OJ000214_12.0306.C25.o1.gs	Method	GENSCAN
Start	810	End	3035
GI	none	Score	.82
Exons	810..831, 2252..2355, 2415..2540, 2770..2875, 2971..3035		

Seq. No.	47607	Seq. ID	OJ000214_12.0306.C25
Gene No.	101300	Strand	-
Start	626	End	965
Name	OJ000214_12.0306.C25.o1.gp	Method	AAT/GAP
Start	626	End	965
GI	none	Score	591
Exons	626..965		

Seq. No.	47607	Seq. ID	OJ000214_12.0306.C25
Gene No.	101301	Strand	-
Start	866	End	3815
Name	OJ000214_12.0306.C25.o1.tm	Method	TBLASTX:Maize
Start	860	End	1784
GI	none	Score	144
Exons	860..952, 861..953, 876..953, 1061..1180, 1063..1203, 1072..1185, 1672..1779, 1675..1779, 1683..1784, 1685..1780		

Seq. No.	47607	Seq. ID	OJ000214_12.0306.C25
Gene No.	101301	Strand	-
Start	866	End	3815
Name	OJ000214_12.0306.C25.o1.np	Method	AAT/NAP
Start	866	End	2363
GI	7488712	Score	332
Exons	866..953, 1064..1184, 1686..1789, 2302..2363		
GI Descrip.	rudimentary enhancer - soybean (fragment) gi|3452091|emb|CAA06199.1| (AJ004899) rudimentary enhancer		

[Glycine max]

Seq. No.	47607	Seq. ID	OJ000214_12.0306.C25
Gene No.	101301	Strand	-
Start	866	End	3815
Name	OJ000214_12.0306.C25.o1.tc	Method	TBLASTX:Cress
Start	869	End	1779
GI	none	Score	74
Exons	869..952, 870..968, 1019..1195, 1063..1203, 1673..1774, 1675..1779		

Seq. No.	47607	Seq. ID	OJ000214_12.0306.C25
Gene No.	101301	Strand	-
Start	866	End	3815
Name	OJ000214_12.0306.C25.o1.ts	Method	TBLASTX:Soybean
Start	869	End	1795
GI	none	Score	87
Exons	869..952, 870..944, 871..951, 1058..1186, 1063..1203, 1679..1795, 1679..1780, 1684..1788		

Seq. No.	47607	Seq. ID	OJ000214_12.0306.C25
Gene No.	101301	Strand	-
Start	866	End	3815
Name	OJ000214_12.0306.C25.o2.gp	Method	AAT/GAP
Start	1161	End	3815
GI	5003747	Score	796
Exons	1161..1184, 1686..1779, 3514..3815		

Seq. No.	47607	Seq. ID	OJ000214_12.0306.C25
Gene No.	101301	Strand	-
Start	866	End	3815
Name	OJ000214_12.0306.C25.o2.gs	Method	GENSCAN
Start	3459	End	3791
GI	none	Score	.66
Exons	3459..3466, 3592..3791		

Seq. No.	47608	Seq. ID	OJ000214_12.0306.C26
Gene No.	101302	Strand	+
Start	415	End	754
Name	OJ000214_12.0306.C26.o1.gp	Method	AAT/GAP
Start	415	End	754
GI	5771067	Score	655
Exons	415..754		

Seq. No.	47608	Seq. ID	OJ000214_12.0306.C26
Gene No.	101303	Strand	-
Start	868	End	2263
Name	OJ000214_12.0306.C26.o1.np	Method	AAT/NAP
Start	868	End	2263
GI	1170504	Score	927
Exons	868..1918, 2178..2263		
GI Descrip.	EUKARYOTIC INITIATION FACTOR (ISO)4F SUBUNIT P82 (IEIF-(ISO)4F P82) gi|452440 (M95747) initiation factor (iso)4f p82 subunit [Triticum aestivum]		

Seq. No.	47608	Seq. ID	OJ000214_12.0306.C26
Gene No.	101303	Strand	-

Start	868	End	2263
Name	OJ000214_12.0306.C26.o2.gp	Method	AAT/GAP
Start	878	End	1294
GI	LIB3432-040-P1-K1-F8	Score	794
Exons	878..1294		
GI Descrip.	'951453 5.0e-45 (M95746) initiation factor (iso)4f p82 subunit [Triticum aestivum]'		

Seq. No.	47608	Seq. ID	OJ000214_12.0306.C26
Gene No.	101303	Strand	-
Start	868	End	2263
Name	OJ000214_12.0306.C26.o1.tm	Method	TBLASTX:Maize
Start	922	End	1884
GI	none	Score	262
Exons	922..1461, 926..1246, 931..1464, 1489..1599, 1510..1599, 1591..1764, 1592..1753, 1790..1870, 1801..1884, 1828..1884		

Seq. No.	47608	Seq. ID	OJ000214_12.0306.C26
Gene No.	101303	Strand	-
Start	868	End	2263
Name	OJ000214_12.0306.C26.o1.ts	Method	TBLASTX:Soybean
Start	943	End	1884
GI	none	Score	183
Exons	943..1602, 965..1369, 1618..1884, 1619..1735, 1623..1868, 1801..1884		

Seq. No.	47608	Seq. ID	OJ000214_12.0306.C26
Gene No.	101303	Strand	-
Start	868	End	2263
Name	OJ000214_12.0306.C26.o1.tc	Method	TBLASTX:Cress
Start	1054	End	1392
GI	none	Score	81
Exons	1054..1308, 1054..1104, 1102..1392, 1106..1387		

Seq. No.	47608	Seq. ID	OJ000214_12.0306.C26
Gene No.	101303	Strand	-
Start	868	End	2263
Name	OJ000214_12.0306.C26.o1.tw	Method	TBLASTX:Wheat
Start	1534	End	1887
GI	none	Score	43
Exons	1534..1596, 1536..1583, 1537..1596, 1604..1762, 1605..1730, 1606..1767, 1610..1750, 1790..1870, 1799..1834, 1801..1887		

Seq. No.	47608	Seq. ID	OJ000214_12.0306.C26
Gene No.	101303	Strand	-
Start	868	End	2263
Name	OJ000214_12.0306.C26.o2.tc	Method	TBLASTX:Cress
Start	1558	End	1884
GI	none	Score	114
Exons	1558..1737, 1619..1735, 1669..1713, 1801..1884, 1801..1884		

Seq. No.	47609	Seq. ID	OJ000214_12.0306.C27
Gene No.	101304	Strand	-
Start	1	End	779
Name	OJ000214_12.0306.C27.o1.np	Method	AAT/NAP
Start	1	End	779
GI	951453	Score	713

Exons	1..179, 409..779		
GI Descrip.	(M95746) initiation factor (iso)4f p82 subunit [Triticum aestivum]		

Seq. No.	47609	Seq. ID	OJ000214_12.0306.C27
Gene No.	101304	Strand	-
Start	1	End	779
Name	OJ000214_12.0306.C27.o1.gp	Method	AAT/GAP
Start	1	End	496
GI	LIB3479-007-Q6-K1-D7	Score	496
Exons	1..179, 409..496		
GI Descrip.	'951453 8.0e-46 (M95746) initiation factor (iso)4f p82 subunit [Triticum aestivum]'		

Seq. No.	47609	Seq. ID	OJ000214_12.0306.C27
Gene No.	101304	Strand	-
Start	1	End	779
Name	OJ000214_12.0306.C27.o1.ts	Method	TBLASTX:Soybean
Start	1	End	768
GI	none	Score	175
Exons	1..165, 3..152, 37..159, 404..535, 405..548, 407..766, 408..743, 409..768		

Seq. No.	47609	Seq. ID	OJ000214_12.0306.C27
Gene No.	101304	Strand	-
Start	1	End	779
Name	OJ000214_12.0306.C27.o1.tm	Method	TBLASTX:Maize
Start	3	End	768
GI	none	Score	158
Exons	3..170, 4..213, 354..761, 383..766, 412..768		

Seq. No.	47609	Seq. ID	OJ000214_12.0306.C27
Gene No.	101304	Strand	-
Start	1	End	779
Name	OJ000214_12.0306.C27.o2.tc	Method	TBLASTX:Cress
Start	3	End	468
GI	none	Score	159
Exons	3..182, 4..180, 404..466, 407..466, 409..468, 409..468		

Seq. No.	47609	Seq. ID	OJ000214_12.0306.C27
Gene No.	101304	Strand	-
Start	1	End	779
Name	OJ000214_12.0306.C27.o1.gs	Method	GENSCAN
Start	57	End	693
GI	none	Score	.84
Exons	57..179, 409..693		

Seq. No.	47609	Seq. ID	OJ000214_12.0306.C27
Gene No.	101304	Strand	-
Start	1	End	779
Name	OJ000214_12.0306.C27.o1.tc	Method	TBLASTX:Cress
Start	469	End	768
GI	none	Score	206
Exons	469..768, 470..760		

Seq. No.	47610	Seq. ID	OJ000214_12.0306.C28
Gene No.	101305	Strand	+

Start	631	End	840
Name	OJ000214_12.0306.C28.o1.gs	Method	GENSCAN
Start	631	End	840
GI	none	Score	.97
Exons	631..840		

Seq. No.	47610	Seq. ID	OJ000214_12.0306.C28
Gene No.	101306	Strand	+
Start	3168	End	5816
Name	OJ000214_12.0306.C28.o2.np	Method	AAT/NAP
Start	3168	End	5816
GI	7106516	Score	162
Exons	3168..3213, 3934..4096, 5794..5816		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	47610	Seq. ID	OJ000214_12.0306.C28
Gene No.	101307	Strand	-
Start	1245	End	5484
Name	OJ000214_12.0306.C28.o2.tm	Method	TBLASTX:Maize
Start	1113	End	1475
GI	none	Score	42
Exons	1113..1202, 1303..1356, 1307..1474, 1404..1475		

Seq. No.	47610	Seq. ID	OJ000214_12.0306.C28
Gene No.	101307	Strand	-
Start	1245	End	5484
Name	OJ000214_12.0306.C28.o1.gp	Method	AAT/GAP
Start	1114	End	2067
GI	10619_1.R1084	Score	1889
Exons	1114..2067		
GI Descrip.	'732003/sp|P39281|BLC_ECOLI 2.0e-16 OUTER MEMBRANE LIPOPROTEIN BLC PRECURSOR >gi_2125977_pir__I84534 outer membrane lipoprotein - Escherichia coli >gi_536993 (U14003) ORF_f177 [Escherichia coli] >gi_717134 (U21726) lipocalin precursor [Escherichia coli] >gi_1790592 (AE000487) outer membrane lipoprotein (lipocalin) [Escherichia coli]'		

Seq. No.	47610	Seq. ID	OJ000214_12.0306.C28
Gene No.	101307	Strand	-
Start	1245	End	5484
Name	OJ000214_12.0306.C28.o2.gs	Method	GENSCAN
Start	1245	End	5215
GI	none	Score	.52
Exons	1245..1954, 2185..2383, 2637..2833, 3091..3256, 3268..3422, 3948..4025, 4208..4251, 4758..4913, 5122..5215		

Seq. No.	47610	Seq. ID	OJ000214_12.0306.C28
Gene No.	101307	Strand	-
Start	1245	End	5484
Name	OJ000214_12.0306.C28.o1.tc	Method	TBLASTX:Cress
Start	1307	End	1876
GI	none	Score	48
Exons	1307..1690, 1308..1343, 1404..1514, 1688..1720, 1719..1859, 1724..1876		

Seq. No.	47610	Seq. ID	OJ000214_12.0306.C28
Gene No.	101307	Strand	-

Start	1245	End	5484
Name	OJ000214_12.0306.C28.o1.np	Method	AAT/NAP
Start	1379	End	2114
GI	732003	Score	164
Exons	1379..1855, 2034..2114		
GI Descrip.	OUTER MEMBRANE LIPOPROTEIN BLC PRECURSOR gi|2125977|pir||I84534 outer membrane lipoprotein - Escherichia coli gi|536993 (U14003) ORF_f177 [Escherichia coli] gi|717134 (U21726) lipocalin precursor [Escherichia coli] gi|1790592 (AE000487) outer membrane lipoprotein (lipocalin) [Escherichia coli]		

Seq. No.	47610	Seq. ID	OJ000214_12.0306.C28
Gene No.	101307	Strand	-
Start	1245	End	5484
Name	OJ000214_12.0306.C28.o1.ts	Method	TBLASTX:Soybean
Start	1412	End	1867
GI	none	Score	119
Exons	1412..1690, 1688..1720, 1710..1862, 1724..1867		

Seq. No.	47610	Seq. ID	OJ000214_12.0306.C28
Gene No.	101307	Strand	-
Start	1245	End	5484
Name	OJ000214_12.0306.C28.o1.tm	Method	TBLASTX:Maize
Start	1475	End	1865
GI	none	Score	48
Exons	1475..1507, 1475..1690, 1608..1691, 1689..1865, 1691..1864		

Seq. No.	47610	Seq. ID	OJ000214_12.0306.C28
Gene No.	101307	Strand	-
Start	1245	End	5484
Name	OJ000214_12.0306.C28.o3.np	Method	AAT/NAP
Start	4766	End	5469
GI	133867	Score	236
Exons	4766..4864, 5122..5215, 5315..5469		
GI Descrip.	40S RIBOSOMAL PROTEIN S11 gi|82722|pir||S16577 ribosomal protein S11 - maize gi|22470|emb|CAA39438| (X55967) ribosomal protein S11 [Zea mays]		

Seq. No.	47610	Seq. ID	OJ000214_12.0306.C28
Gene No.	101307	Strand	-
Start	1245	End	5484
Name	OJ000214_12.0306.C28.o3.tm	Method	TBLASTX:Maize
Start	4766	End	5484
GI	none	Score	61
Exons	4766..4819, 4822..4869, 5121..5171, 5121..5177, 5122..5178, 5176..5217, 5180..5218, 5297..5383, 5299..5361, 5338..5403, 5359..5403, 5405..5467, 5406..5468, 5431..5484		

Seq. No.	47610	Seq. ID	OJ000214_12.0306.C28
Gene No.	101307	Strand	-
Start	1245	End	5484
Name	OJ000214_12.0306.C28.o2.tc	Method	TBLASTX:Cress
Start	4822	End	5465
GI	none	Score	68
Exons	4822..4869, 5121..5177, 5122..5175, 5176..5217, 5297..5383, 5299..5361, 5359..5403, 5405..5464, 5421..5465		

Seq. No.	47610	Seq. ID	OJ000214_12.0306.C28
Gene No.	101307	Strand	-
Start	1245	End	5484
Name	OJ000214_12.0306.C28.o2.ts	Method	TBLASTX:Soybean
Start	4822	End	5467
GI	none	Score	62
Exons	4822..4869, 5121..5177, 5122..5178, 5176..5217, 5297..5383, 5299..5370, 5359..5403, 5405..5467, 5433..5462		

Seq. No.	47611	Seq. ID	OJ000214_12.0306.C29
Gene No.	101308	Strand	+
Start	1316	End	3654
Name	OJ000214_12.0306.C29.o1.gs	Method	GENSCAN
Start	1316	End	2722
GI	none	Score	.91
Exons	1316..1601, 1861..1928, 2035..2258, 2639..2722		

Seq. No.	47611	Seq. ID	OJ000214_12.0306.C29
Gene No.	101308	Strand	+
Start	1316	End	3654
Name	OJ000214_12.0306.C29.o1.tm	Method	TBLASTX:Maize
Start	1852	End	2261
GI	none	Score	120
Exons	1852..1920, 1859..1927, 1860..1931, 1866..1928, 2031..2252, 2032..2259, 2040..2261		

Seq. No.	47611	Seq. ID	OJ000214_12.0306.C29
Gene No.	101308	Strand	+
Start	1316	End	3654
Name	OJ000214_12.0306.C29.o1.np	Method	AAT/NAP
Start	1859	End	3654
GI	7485364	Score	474
Exons	1859..1928, 2035..2258, 2639..2722, 3601..3654		
GI Descrip.	hypothetical protein F10N7.140 - Arabidopsis thaliana gi|2827631|emb|CAA16584.1| (AL021636) putative protein [Arabidopsis thaliana] gi|7270110|emb|CAB79924.1| (AL161580) putative protein [Arabidopsis thaliana]		

Seq. No.	47611	Seq. ID	OJ000214_12.0306.C29
Gene No.	101308	Strand	+
Start	1316	End	3654
Name	OJ000214_12.0306.C29.o1.tc	Method	TBLASTX:Cress
Start	1859	End	3649
GI	none	Score	104
Exons	1859..1927, 1860..1928, 2032..2259, 2040..2138, 2088..2261, 2095..2265, 2636..2728, 2639..2725, 2640..2732, 2646..2732, 3566..3649		

Seq. No.	47611	Seq. ID	OJ000214_12.0306.C29
Gene No.	101308	Strand	+
Start	1316	End	3654
Name	OJ000214_12.0306.C29.o1.ts	Method	TBLASTX:Soybean
Start	2035	End	2690
GI	none	Score	296
Exons	2035..2259, 2040..2147, 2071..2262, 2639..2683, 2640..2690		

Seq. No.	47612	Seq. ID	OJ000214_12.0306.C32

Gene No.	101309	Strand	+
Start	1	End	955
Name	OJ000214_12.0306.C32.o1.np	Method	AAT/NAP
Start	1	End	955
GI	7228442	Score	1145
Exons	1..955		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	47612	Seq. ID	OJ000214_12.0306.C32
Gene No.	101309	Strand	+
Start	1	End	955
Name	OJ000214_12.0306.C32.o1.tm	Method	TBLASTX:Maize
Start	100	End	696
GI	none	Score	354
Exons	100..567, 105..557, 319..567, 625..696		

Seq. No.	47612	Seq. ID	OJ000214_12.0306.C32
Gene No.	101309	Strand	+
Start	1	End	955
Name	OJ000214_12.0306.C32.o1.gs	Method	GENSCAN
Start	139	End	949
GI	none	Score	.98
Exons	139..949		

Seq. No.	47612	Seq. ID	OJ000214_12.0306.C32
Gene No.	101309	Strand	+
Start	1	End	955
Name	OJ000214_12.0306.C32.o1.tw	Method	TBLASTX:Wheat
Start	394	End	771
GI	none	Score	184
Exons	394..543, 397..573, 597..665, 598..771, 620..760		

Seq. No.	47613	Seq. ID	OJ000214_12.0306.C33
Gene No.	101310	Strand	+
Start	1	End	3091
Name	OJ000214_12.0306.C33.o1.np	Method	AAT/NAP
Start	1	End	519
GI	7228442	Score	567
Exons	1..519		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	47613	Seq. ID	OJ000214_12.0306.C33
Gene No.	101310	Strand	+
Start	1	End	3091
Name	OJ000214_12.0306.C33.o2.np	Method	AAT/NAP
Start	1	End	1455
GI	5441880	Score	451
Exons	1..413, 1015..1154, 1263..1455		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	47613	Seq. ID	OJ000214_12.0306.C33

Gene No.	101310	Strand	+
Start	1	End	3091
Name	OJ000214_12.0306.C33.o3.np	Method	AAT/NAP
Start	1	End	3091
GI	7228438	Score	173
Exons	1..90, 2460..2657, 2845..3091		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	47613	Seq. ID	OJ000214_12.0306.C33
Gene No.	101310	Strand	+
Start	1	End	3091
Name	OJ000214_12.0306.C33.o1.gs	Method	GENSCAN
Start	181	End	2823
GI	none	Score	.55
Exons	181..534, 755..783, 1081..1154, 1230..1316, 1483..1505, 1636..1716, 1829..2005, 2069..2194, 2708..2823		

Seq. No.	47613	Seq. ID	OJ000214_12.0306.C33
Gene No.	101310	Strand	+
Start	1	End	3091
Name	OJ000214_12.0306.C33.o1.gp	Method	AAT/GAP
Start	1269	End	1698
GI	LIB3433-020-P1-K1-A6	Score	825
Exons	1269..1698		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	47614	Seq. ID	OJ000214_12.0306.C34
Gene No.	101311	Strand	+
Start	4583	End	7733
Name	OJ000214_12.0306.C34.o1.gp	Method	AAT/GAP
Start	4422	End	4916
GI	5005020	Score	697
Exons	4422..4600, 4707..4916		
GI Descrip.	4768968/gb|AAD29697.1|AF140219_1 3.0e-17 (AF140219) nuclear cap-binding protein; CBP20 [Arabidopsis thaliana]		

Seq. No.	47614	Seq. ID	OJ000214_12.0306.C34
Gene No.	101311	Strand	+
Start	4583	End	7733
Name	OJ000214_12.0306.C34.o2.gs	Method	GENSCAN
Start	4583	End	7443
GI	none	Score	.8
Exons	4583..4600, 4707..4930, 5948..6086, 7157..7270, 7366..7443		

Seq. No.	47614	Seq. ID	OJ000214_12.0306.C34
Gene No.	101311	Strand	+
Start	4583	End	7733
Name	OJ000214_12.0306.C34.o1.np	Method	AAT/NAP
Start	4689	End	7437
GI	4768968	Score	690
Exons	4689..4930, 5948..6086, 6175..6208, 6448..6546, 7054..7115, 7184..7282, 7366..7437		
GI Descrip.	(AF140219) nuclear cap-binding protein; CBP20 [Arabidopsis thaliana]		

Seq. No.	47614	Seq. ID	OJ000214_12.0306.C34
Gene No.	101311	Strand	+
Start	4583	End	7733
Name	OJ000214_12.0306.C34.o2.gp	Method	AAT/GAP
Start	6176	End	7733
GI	27779_1.R1084	Score	1084
Exons	6176..6208, 6448..6546, 7054..7107, 7185..7270, 7366..7733		
GI Descrip.	'4768968/gb|AAD29697.1|AF140219_1 2.0e-24 (AF140219) nuclear cap-binding protein; CBP20 [Arabidopsis thaliana]'		

Seq. No.	47614	Seq. ID	OJ000214_12.0306.C34
Gene No.	101312	Strand	+
Start	8015	End	9586
Name	OJ000214_12.0306.C34.o3.gs	Method	GENSCAN
Start	8015	End	9586
GI	none	Score	.65
Exons	8015..9586		

Seq. No.	47614	Seq. ID	OJ000214_12.0306.C34
Gene No.	101313	Strand	-
Start	9837	End	12061
Name	OJ000214_12.0306.C34.o1.tm	Method	TBLASTX:Maize
Start	4691	End	7453
GI	none	Score	371
Exons	4691..4933, 4695..4928, 4853..4933, 4866..4934, 4882..4935, 5933..6043, 5934..6053, 5947..6087, 5949..6050, 6174..6212, 6175..6207, 6449..6541, 6450..6542, 6507..6584, 7045..7107, 7053..7109, 7184..7225, 7190..7246, 7349..7453, 7364..7453		

Seq. No.	47614	Seq. ID	OJ000214_12.0306.C34
Gene No.	101313	Strand	-
Start	9837	End	12061
Name	OJ000214_12.0306.C34.o1.ts	Method	TBLASTX:Soybean
Start	4698	End	6542
GI	none	Score	348
Exons	4698..4928, 4706..4942, 5933..6040, 5949..6050, 5965..6081, 5975..6082, 6173..6211, 6175..6207, 6449..6541, 6450..6542		

Seq. No.	47614	Seq. ID	OJ000214_12.0306.C34
Gene No.	101313	Strand	-
Start	9837	End	12061
Name	OJ000214_12.0306.C34.o4.gs	Method	GENSCAN
Start	9837	End	12061
GI	none	Score	.85
Exons	9837..10043, 10049..10103, 10355..10552, 11704..12038, 12053..12061		

Seq. No.	47614	Seq. ID	OJ000214_12.0306.C34
Gene No.	101313	Strand	-
Start	9837	End	12061
Name	OJ000214_12.0306.C34.o2.tm	Method	TBLASTX:Maize
Start	10297	End	10470
GI	none	Score	187
Exons	10297..10470, 10315..10470		

Seq. No.	47614	Seq. ID	OJ000214_12.0306.C34

Gene No.	101313	Strand	-
Start	9837	End	12061
Name	OJ000214_12.0306.C34.o2.np	Method	AAT/NAP
Start	10306	End	11957
GI	6503297	Score	584
Exons	10306..10552, 11704..11957		
GI Descrip.	(AC011713) ESTs gb|AI994515 and gb|T44237 come from this gene. [Arabidopsis thaliana]		

Seq. No.	47614	Seq. ID	OJ000214_12.0306.C34
Gene No.	101313	Strand	-
Start	9837	End	12061
Name	OJ000214_12.0306.C34.o1.tc	Method	TBLASTX:Cress
Start	10379	End	11903
GI	none	Score	207
Exons	10379..10558, 10381..10557, 10397..10606, 11703..11846, 11704..11847, 11868..11903		

Seq. No.	47614	Seq. ID	OJ000214_12.0306.C34
Gene No.	101313	Strand	-
Start	9837	End	12061
Name	OJ000214_12.0306.C34.o1.tw	Method	TBLASTX:Wheat
Start	10438	End	11948
GI	none	Score	186
Exons	10438..10557, 10439..10558, 10442..10567, 11703..11846, 11704..11847, 11868..11948, 11869..11925		

Seq. No.	47614	Seq. ID	OJ000214_12.0306.C34
Gene No.	101313	Strand	-
Start	9837	End	12061
Name	OJ000214_12.0306.C34.o3.gp	Method	AAT/GAP
Start	11829	End	12026
GI	428050	Score	388
Exons	11829..12026		

Seq. No.	47615	Seq. ID	OJ000214_12.0306.C35
Gene No.	101314	Strand	+
Start	987	End	1345
Name	OJ000214_12.0306.C35.o1.gp	Method	AAT/GAP
Start	987	End	1345
GI	2312489	Score	696
Exons	987..1345		

Seq. No.	47615	Seq. ID	OJ000214_12.0306.C35
Gene No.	101315	Strand	-
Start	1039	End	1125
Name	OJ000214_12.0306.C35.o1.gs	Method	GENSCAN
Start	1039	End	1125
GI	none	Score	.63
Exons	1039..1125		

Seq. No.	47616	Seq. ID	OJ000204_11.0330.C1
Gene No.	101316	Strand	-
Start	83	End	850
Name	OJ000204_11.0330.C1.o1.np	Method	AAT/NAP
Start	83	End	850
GI	4680183	Score	181

Exons	83..172, 780..850		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	47616	Seq. ID	OJ000204_11.0330.C1
Gene No.	101316	Strand	-
Start	83	End	850
Name	OJ000204_11.0330.C1.o1.gs	Method	GENSCAN
Start	127	End	850
GI	none	Score	.47
Exons	127..440, 765..850		
Seq. No.	47616	Seq. ID	OJ000204_11.0330.C1
Gene No.	101317	Strand	-
Start	1374	End	1647
Name	OJ000204_11.0330.C1.o2.np	Method	AAT/NAP
Start	1374	End	1647
GI	7523512	Score	157
Exons	1374..1494, 1600..1647		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	47617	Seq. ID	OJ000204_11.0330.C2
Gene No.	101318	Strand	+
Start	542	End	3008
Name	OJ000204_11.0330.C2.o1.gs	Method	GENSCAN
Start	542	End	3008
GI	none	Score	.53
Exons	542..727, 1967..2082, 2547..2724, 2747..3008		
Seq. No.	47617	Seq. ID	OJ000204_11.0330.C2
Gene No.	101319	Strand	+
Start	5362	End	12523
Name	OJ000204_11.0330.C2.o1.np	Method	AAT/NAP
Start	5338	End	10013
GI	3882018	Score	1187
Exons	5338..5986, 6078..6355, 6392..6544, 8993..9258, 9710..10013		
GI Descrip.	(Y18377) cytokinin oxidase [Zea mays]		
Seq. No.	47617	Seq. ID	OJ000204_11.0330.C2
Gene No.	101319	Strand	+
Start	5362	End	12523
Name	OJ000204_11.0330.C2.o2.gs	Method	GENSCAN
Start	5362	End	12523
GI	none	Score	.59
Exons	5362..5986, 6078..6544, 8993..9258, 9710..10012, 11207..11253, 12152..12251, 12361..12523		
Seq. No.	47617	Seq. ID	OJ000204_11.0330.C2
Gene No.	101320	Strand	+
Start	14760	End	18900
Name	OJ000204_11.0330.C2.o4.gs	Method	GENSCAN
Start	14760	End	18900
GI	none	Score	.72
Exons	14760..15085, 16544..16665, 16768..16927, 18224..18281, 18376..18900		
Seq. No.	47617	Seq. ID	OJ000204_11.0330.C2
Gene No.	101320	Strand	+

Start	14760	End	18900
Name	OJ000204_11.0330.C2.o2.np	Method	AAT/NAP
Start	14856	End	17014
GI	6714327	Score	483
Exons	14856..15085, 15834..15954, 16326..16440, 16537..16665, 16768..17014		
GI Descrip.	(AC016972) unknown protein [Arabidopsis thaliana]		

Seq. No.	47617	Seq. ID	OJ000204_11.0330.C2
Gene No.	101321	Strand	-
Start	12914	End	14082
Name	OJ000204_11.0330.C2.o1.ts	Method	TBLASTX:Soybean
Start	5791	End	10013
GI	none	Score	49
Exons	5791..5835, 5793..5990, 5854..5988, 6062..6169, 6067..6261, 8996..9205, 9031..9207, 9224..9259, 9816..9923, 9939..10013		

Seq. No.	47617	Seq. ID	OJ000204_11.0330.C2
Gene No.	101321	Strand	-
Start	12914	End	14082
Name	OJ000204_11.0330.C2.o1.tc	Method	TBLASTX:Cress
Start	5812	End	6270
GI	none	Score	263
Exons	5812..5988, 5814..5987, 6062..6169, 6067..6270		

Seq. No.	47617	Seq. ID	OJ000204_11.0330.C2
Gene No.	101321	Strand	-
Start	12914	End	14082
Name	OJ000204_11.0330.C2.o1.tm	Method	TBLASTX:Maize
Start	6076	End	6373
GI	none	Score	138
Exons	6076..6270, 6077..6169, 6224..6280, 6308..6337, 6341..6373		

Seq. No.	47617	Seq. ID	OJ000204_11.0330.C2
Gene No.	101321	Strand	-
Start	12914	End	14082
Name	OJ000204_11.0330.C2.o2.tc	Method	TBLASTX:Cress
Start	8987	End	9307
GI	none	Score	221
Exons	8987..9211, 9031..9201, 9199..9261, 9200..9307		

Seq. No.	47617	Seq. ID	OJ000204_11.0330.C2
Gene No.	101321	Strand	-
Start	12914	End	14082
Name	OJ000204_11.0330.C2.o3.tm	Method	TBLASTX:Maize
Start	8990	End	9914
GI	none	Score	197
Exons	8990..9205, 9040..9192, 9224..9259, 9786..9914		

Seq. No.	47617	Seq. ID	OJ000204_11.0330.C2
Gene No.	101321	Strand	-
Start	12914	End	14082
Name	OJ000204_11.0330.C2.o3.gs	Method	GENSCAN
Start	12914	End	14082
GI	none	Score	.58
Exons	12914..13196, 14021..14082		

Seq. No.	47617	Seq. ID	OJ000204_11.0330.C2
Gene No.	101322	Strand	
Start	15832	End	16936
Name	OJ000204_11.0330.C2.o2.tm	Method	TBLASTX:Maize
Start	15832	End	16928
GI	none	Score	132
Exons	15832..15960, 15870..15953, 16367..16447, 16538..16666, 16539..16667, 16749..16898, 16752..16928		

Seq. No.	47617	Seq. ID	OJ000204_11.0330.C2
Gene No.	101322	Strand	
Start	15832	End	16936
Name	OJ000204_11.0330.C2.o3.tc	Method	TBLASTX:Cress
Start	16536	End	16936
GI	none	Score	106
Exons	16536..16664, 16539..16667, 16586..16666, 16751..16936, 16752..16928		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101323	Strand	+
Start	81	End	524
Name	OJ000204_11.0330.C3.o1.gs	Method	GENSCAN
Start	81	End	524
GI	none	Score	.49
Exons	81..524		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101324	Strand	+
Start	10731	End	16492
Name	OJ000204_11.0330.C3.o1.np	Method	AAT/NAP
Start	10731	End	14146
GI	5669638	Score	1631
Exons	10731..10786, 10885..11126, 11945..12124, 12223..12384, 12595..12749, 13060..13115, 13283..13331, 13418..13644, 13719..13951, 14093..14146		
GI Descrip.	(AF096248) ethylene-responsive RNA helicase [Lycopersicon esculentum]		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101324	Strand	+
Start	10731	End	16492
Name	OJ000204_11.0330.C3.o4.gs	Method	GENSCAN
Start	10731	End	16492
GI	none	Score	.91
Exons	10731..10786, 10885..11126, 12223..12306, 13719..13900, 14100..14121, 16428..16492		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101324	Strand	+
Start	10731	End	16492
Name	OJ000204_11.0330.C3.o3.gp	Method	AAT/GAP
Start	13711	End	14191
GI	79598_1.R1084	Score	579
Exons	13711..13952, 14100..14191		
GI Descrip.	'5669638/gb|AAD46404.1|AF096248_1 1.0e-30 (AF096248) ethylene-responsive RNA helicase [Lycopersicon esculentum]'		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101325	Strand	-
Start	744	End	5191
Name	OJ000204_11.0330.C3.o1.gp	Method	AAT/GAP
Start	744	End	1256
GI	80325_1.R1084	Score	754
Exons	744..1140, 1232..1256		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101325	Strand	-
Start	744	End	5191
Name	OJ000204_11.0330.C3.o2.gs	Method	GENSCAN
Start	982	End	5079
GI	none	Score	.92
Exons	982..1140, 1232..1330, 1473..1569, 1640..1692, 3060..3308, 4684..5079		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101325	Strand	-
Start	744	End	5191
Name	OJ000204_11.0330.C3.o2.gp	Method	AAT/GAP
Start	4941	End	5191
GI	428570	Score	491
Exons	4941..5191		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101326	Strand	-
Start	8589	End	9944
Name	OJ000204_11.0330.C3.o3.gs	Method	GENSCAN
Start	8589	End	9944
GI	none	Score	.53
Exons	8589..8733, 8798..8829, 9040..9175, 9517..9944		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101327	Strand	-
Start	17706	End	21429
Name	OJ000204_11.0330.C3.o3.ts	Method	TBLASTX:Soybean
Start	3	End	458
GI	none	Score	297
Exons	3..458, 311..448		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101327	Strand	-
Start	17706	End	21429
Name	OJ000204_11.0330.C3.o2.tc	Method	TBLASTX:Cress
Start	57	End	395
GI	none	Score	241
Exons	57..395		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101327	Strand	-
Start	17706	End	21429
Name	OJ000204_11.0330.C3.o3.tm	Method	TBLASTX:Maize
Start	108	End	413
GI	none	Score	428

Exons 108..413, 108..320, 152..406, 372..413

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101327	Strand	-
Start	17706	End	21429
Name	OJ000204_11.0330.C3.o2.tm	Method	TBLASTX:Maize
Start	10657	End	12390
GI	none	Score	85
Exons	10657..10683, 10730..10786, 10731..10784, 10907..11134, 10984..11133, 11937..12122, 11937..12122, 11944..12123, 12162..12386, 12216..12386, 12226..12390		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101327	Strand	-
Start	17706	End	21429
Name	OJ000204_11.0330.C3.o2.ts	Method	TBLASTX:Soybean
Start	10731	End	12349
GI	none	Score	74
Exons	10731..10784, 10961..11134, 10984..11133, 11937..12122, 11944..12123, 11944..12129, 12008..12127, 12224..12259, 12225..12260, 12254..12349, 12255..12347		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101327	Strand	-
Start	17706	End	21429
Name	OJ000204_11.0330.C3.o3.tc	Method	TBLASTX:Cress
Start	11950	End	13158
GI	none	Score	182
Exons	11950..12105, 11958..12089, 12233..12385, 12234..12389, 12585..12752, 12593..12742, 13054..13158		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101327	Strand	-
Start	17706	End	21429
Name	OJ000204_11.0330.C3.o1.tm	Method	TBLASTX:Maize
Start	12327	End	13846
GI	none	Score	70
Exons	12327..12365, 12593..12622, 12594..12623, 12624..12752, 12626..12742, 13053..13157, 13054..13158, 13056..13151, 13243..13326, 13245..13325, 13416..13652, 13431..13628, 13475..13642, 13718..13846		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101327	Strand	-
Start	17706	End	21429
Name	OJ000204_11.0330.C3.o1.ts	Method	TBLASTX:Soybean
Start	13078	End	13954
GI	none	Score	134
Exons	13078..13158, 13080..13157, 13243..13332, 13245..13331, 13412..13642, 13416..13652, 13434..13652, 13716..13781, 13718..13954, 13718..13789, 13847..13951, 13864..13953		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101327	Strand	-
Start	17706	End	21429
Name	OJ000204_11.0330.C3.o1.tc	Method	TBLASTX:Cress
Start	13276	End	13954

GI	none	Score	67
Exons	13276..13332, 13415..13615, 13415..13639, 13416..13652, 13419..13649, 13718..13954, 13718..13792, 13753..13794, 13847..13948, 13864..13953		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101327	Strand	-
Start	17706	End	21429
Name	OJ000204_11.0330.C3.o4.gp	Method	AAT/GAP
Start	17424	End	21169
GI	3760640	Score	794
Exons	17424..17802, 21119..21169		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101327	Strand	-
Start	17706	End	21429
Name	OJ000204_11.0330.C3.o2.np	Method	AAT/NAP
Start	17685	End	21429
GI	7484897	Score	188
Exons	17685..17802, 21119..21218, 21406..21429		
GI Descrip.	cytochrome P450 homolog F23E13.220 - Arabidopsis thaliana gi|2961392|emb|CAA18139.1| (AL022141) cytochrome P450 like protein (fragment) [Arabidopsis thaliana]		

Seq. No.	47618	Seq. ID	OJ000204_11.0330.C3
Gene No.	101327	Strand	-
Start	17706	End	21429
Name	OJ000204_11.0330.C3.o5.gs	Method	GENSCAN
Start	17706	End	20069
GI	none	Score	.9
Exons	17706..17802, 19996..20069		

Seq. No.	47619	Seq. ID	OJ000204_11.0330.C4
Gene No.	101328	Strand	-
Start	349	End	718
Name	OJ000204_11.0330.C4.o1.np	Method	AAT/NAP
Start	349	End	718
GI	6815099	Score	68
Exons	349..440, 515..718		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47620	Seq. ID	OJ000204_11.0330.C5
Gene No.	101329	Strand	-
Start	438	End	7502
Name	OJ000204_11.0330.C5.o1.gs	Method	GENSCAN
Start	438	End	7253
GI	none	Score	.94
Exons	438..685, 929..1101, 1907..2054, 2531..2690, 3015..3160, 3957..4185, 4895..5117, 5247..5395, 6495..6664, 7182..7253		

Seq. No.	47620	Seq. ID	OJ000204_11.0330.C5
Gene No.	101329	Strand	-
Start	438	End	7502
Name	OJ000204_11.0330.C5.o1.np	Method	AAT/NAP
Start	914	End	7502

GI	3687226	Score	740
Exons	914..1102, 1896..2054, 2531..2690, 3015..3160, 3957..4146, 4895..5117, 5247..5397, 6560..6664, 7182..7502		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47620	Seq. ID	OJ000204_11.0330.C5
Gene No.	101329	Strand	-
Start	438	End	7502
Name	OJ000204_11.0330.C5.o1.tm	Method	TBLASTX:Maize
Start	3963	End	4185
GI	none	Score	82
Exons	3963..4052, 3963..4184, 3964..4185		

Seq. No.	47621	Seq. ID	OJ000204_11.0330.C6
Gene No.	101330	Strand	+
Start	7150	End	7403
Name	OJ000204_11.0330.C6.o1.gp	Method	AAT/GAP
Start	7150	End	7403
GI	LIB3434-035-P1-K1-A7	Score	385
Exons	7150..7403		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	47621	Seq. ID	OJ000204_11.0330.C6
Gene No.	101331	Strand	+
Start	7367	End	7447
Name	OJ000204_11.0330.C6.o2.gp	Method	AAT/GAP
Start	7367	End	7447
GI	38012_1.R1084	Score	103
Exons	7367..7447		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	47621	Seq. ID	OJ000204_11.0330.C6
Gene No.	101332	Strand	-
Start	744	End	6557
Name	OJ000204_11.0330.C6.o1.gs	Method	GENSCAN
Start	744	End	6557
GI	none	Score	.83
Exons	744..887, 1490..1621, 1691..1778, 2151..2364, 2811..2994, 4312..4441, 4590..4960, 4994..5277, 6242..6557		

Seq. No.	47621	Seq. ID	OJ000204_11.0330.C6
Gene No.	101332	Strand	-
Start	744	End	6557
Name	OJ000204_11.0330.C6.o1.np	Method	AAT/NAP
Start	1490	End	4658
GI	3687225	Score	386
Exons	1490..1621, 1691..1778, 2151..2364, 2811..2994, 4312..4441, 4590..4658		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47621	Seq. ID	OJ000204_11.0330.C6
Gene No.	101333	Strand	-
Start	12064	End	19181
Name	OJ000204_11.0330.C6.o2.gs	Method	GENSCAN
Start	12064	End	19181

GI	none	Score	.72
Exons	12064..12318, 12417..12589, 13532..13679, 14506..14665, 15003..15148, 17790..18015, 18959..19181		

Seq. No.	47621	Seq. ID	OJ000204_11.0330.C6
Gene No.	101333	Strand	-
Start	12064	End	19181
Name	OJ000204_11.0330.C6.o2.np	Method	AAT/NAP
Start	12402	End	19170
GI	3687226	Score	536
Exons	12402..12648, 13574..13679, 14506..14665, 15003..15148, 17790..17976, 18959..19170		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47621	Seq. ID	OJ000204_11.0330.C6
Gene No.	101333	Strand	-
Start	12064	End	19181
Name	OJ000204_11.0330.C6.o3.gp	Method	AAT/GAP
Start	12448	End	14698
GI	2311470	Score	833
Exons	12448..12589, 13532..13679, 14506..14698		
GI Descrip.	3687227 1.0e-12 (AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47621	Seq. ID	OJ000204_11.0330.C6
Gene No.	101333	Strand	-
Start	12064	End	19181
Name	OJ000204_11.0330.C6.o2.tm	Method	TBLASTX:Maize
Start	15934	End	16306
GI	none	Score	100
Exons	15934..16035, 15945..16082, 16072..16125, 16073..16135, 16157..16306, 16216..16305		

Seq. No.	47621	Seq. ID	OJ000204_11.0330.C6
Gene No.	101333	Strand	-
Start	12064	End	19181
Name	OJ000204_11.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	17796	End	18027
GI	none	Score	128
Exons	17796..17906, 17797..17922, 17906..17998, 17910..18014, 17911..18027		

Seq. No.	47622	Seq. ID	OJ000204_11.0330.C7
Gene No.	101334	Strand	-
Start	366	End	2470
Name	OJ000204_11.0330.C7.o1.gs	Method	GENSCAN
Start	366	End	1346
GI	none	Score	.75
Exons	366..395, 556..714, 982..1067, 1275..1346		

Seq. No.	47622	Seq. ID	OJ000204_11.0330.C7
Gene No.	101334	Strand	-
Start	366	End	2470
Name	OJ000204_11.0330.C7.o1.np	Method	AAT/NAP
Start	589	End	2470
GI	3687225	Score	81
Exons	589..725, 1275..1346, 2451..2470		

GI Descrip. (AC005169) hypothetical protein [Arabidopsis thaliana]

Seq. No.	47623	Seq. ID	OJ000204_11.0330.C8
Gene No.	101335	Strand	-
Start	1	End	2962
Name	OJ000204_11.0330.C8.o1.np	Method	AAT/NAP
Start	1	End	2541
GI	3687225	Score	224
Exons	1..135, 1675..1891, 2358..2541		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47623	Seq. ID	OJ000204_11.0330.C8
Gene No.	101335	Strand	-
Start	1	End	2962
Name	OJ000204_11.0330.C8.o2.gs	Method	GENSCAN
Start	1656	End	2962
GI	none	Score	.89
Exons	1656..1891, 2358..2541, 2879..2962		

Seq. No.	47624	Seq. ID	OJ000204_11.0330.C9
Gene No.	101336	Strand	-
Start	294	End	13025
Name	OJ000204_11.0330.C9.o1.gs	Method	GENSCAN
Start	294	End	12824
GI	none	Score	.55
Exons	294..491, 531..877, 1563..1743, 1909..2022, 2152..2277, 6810..6998, 7121..7278, 8187..8277, 8869..9043, 9113..9252, 9800..9966, 10478..10572, 10660..10731, 11172..11245, 11330..11464, 12645..12824		

Seq. No.	47624	Seq. ID	OJ000204_11.0330.C9
Gene No.	101336	Strand	-
Start	294	End	13025
Name	OJ000204_11.0330.C9.o1.gp	Method	AAT/GAP
Start	6595	End	10362
GI	9562_1.R1084	Score	2335
Exons	6595..6738, 6810..6998, 7121..7278, 8187..8277, 8869..9043, 9113..9252, 9800..10018, 10096..10225, 10314..10362		
GI Descrip.	'6006848/gb|AAF00624.1|AC009540_1 1.0e-179 (AC009540) unknown protein, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	47624	Seq. ID	OJ000204_11.0330.C9
Gene No.	101336	Strand	-
Start	294	End	13025
Name	OJ000204_11.0330.C9.o1.tm	Method	TBLASTX:Maize
Start	6679	End	11231
GI	none	Score	45
Exons	6679..6747, 6695..6739, 6805..6999, 6810..7010, 6810..6986, 7118..7279, 7118..7255, 7119..7280, 7121..7273, 7134..7280, 7135..7281, 8176..8277, 8177..8278, 8183..8278, 8855..9046, 8868..9041, 8869..9045, 8878..9036, 9109..9207, 9110..9208, 9796..10020, 9797..10018, 9798..10022, 10077..10211, 10079..10213, 10095..10211, 10096..10218, 10096..10227, 10103..10228, 10313..10381, 10478..10564, 10479..10571, 10479..10571, 10639..10722, 10650..10730, 10659..10730, 10807..10884, 10808..10870, 10831..10872, 10986..11066, 10990..11067, 11172..11231, 11174..11230		

Seq. No.	47624	Seq. ID	OJ000204_11.0330.C9
Gene No.	101336	Strand	-
Start	294	End	13025
Name	OJ000204_11.0330.C9.o1.np	Method	AAT/NAP
Start	6682	End	13025
GI	6223639	Score	1926
Exons	6682..6738, 6810..6998, 7121..7278, 8187..8277, 8869..9043, 9113..9240, 9800..10018, 10096..10225, 10314..10380, 10478..10572, 10660..10731, 10817..10872, 10995..11064, 11172..11245, 11330..11464, 12645..13025		
GI Descrip.	(AC011698) putative casein kinase [Arabidopsis thaliana]		

Seq. No.	47624	Seq. ID	OJ000204_11.0330.C9
Gene No.	101336	Strand	-
Start	294	End	13025
Name	OJ000204_11.0330.C9.o1.ts	Method	TBLASTX:Soybean
Start	6685	End	11470
GI	none	Score	52
Exons	6685..6747, 6695..6739, 6808..6999, 6810..7001, 6810..6986, 6910..6999, 7110..7280, 7114..7275, 7118..7279, 7118..7255, 7119..7280, 7120..7281, 8176..8277, 8177..8278, 8180..8278, 8866..9042, 8869..9045, 8912..9046, 9109..9207, 9110..9217, 9181..9243, 9197..9241, 9770..10018, 9798..10022, 10091..10219, 10096..10224, 10096..10227, 10103..10228, 10313..10381, 10314..10382, 10479..10571, 10659..10730, 10660..10731, 10668..10745, 10816..10884, 10820..10873, 10831..10878, 10986..11060, 10986..11066, 10990..11067, 11174..11248, 11178..11246, 11342..11470		

Seq. No.	47624	Seq. ID	OJ000204_11.0330.C9
Gene No.	101336	Strand	-
Start	294	End	13025
Name	OJ000204_11.0330.C9.o3.tc	Method	TBLASTX:Cress
Start	6685	End	7001
GI	none	Score	52
Exons	6685..6747, 6695..6739, 6810..6986, 6826..6999, 6828..7001		

Seq. No.	47624	Seq. ID	OJ000204_11.0330.C9
Gene No.	101336	Strand	-
Start	294	End	13025
Name	OJ000204_11.0330.C9.o3.tw	Method	TBLASTX:Wheat
Start	6688	End	6948
GI	none	Score	42
Exons	6688..6747, 6695..6739, 6808..6948, 6810..6947, 6832..6948		

Seq. No.	47624	Seq. ID	OJ000204_11.0330.C9
Gene No.	101336	Strand	-
Start	294	End	13025
Name	OJ000204_11.0330.C9.o2.tw	Method	TBLASTX:Wheat
Start	7110	End	8989
GI	none	Score	234
Exons	7110..7280, 7118..7279, 7118..7207, 7119..7280, 7120..7281, 7120..7281, 7148..7228, 7187..7228, 8176..8277, 8177..8278, 8180..8278, 8194..8334, 8197..8277, 8202..8342, 8861..8989, 8867..8986, 8869..8988		

Seq. No.	47624	Seq. ID	OJ000204_11.0330.C9
Gene No.	101336	Strand	-
Start	294	End	13025
Name	OJ000204_11.0330.C9.o2.tc	Method	TBLASTX:Cress
Start	7118	End	9208
GI	none	Score	86
Exons	7118..7255, 8201..8302, 8203..8268, 8867..9046, 8867..8947, 8869..9045, 9109..9207, 9110..9208		

Seq. No.	47624	Seq. ID	OJ000204_11.0330.C9
Gene No.	101336	Strand	-
Start	294	End	13025
Name	OJ000204_11.0330.C9.o1.tw	Method	TBLASTX:Wheat
Start	9800	End	10126
GI	none	Score	276
Exons	9800..10018, 9801..10019, 9801..10019, 9802..10020, 9934..10026, 10094..10117, 10096..10125, 10097..10126		

Seq. No.	47624	Seq. ID	OJ000204_11.0330.C9
Gene No.	101336	Strand	-
Start	294	End	13025
Name	OJ000204_11.0330.C9.o1.tc	Method	TBLASTX:Cress
Start	9843	End	10556
GI	none	Score	213
Exons	9843..10019, 9845..10018, 9852..10019, 9854..10021, 9928..10020, 10094..10216, 10095..10214, 10096..10215, 10096..10233, 10097..10234, 10216..10326, 10313..10381, 10314..10382, 10473..10556		

Seq. No.	47624	Seq. ID	OJ000204_11.0330.C9
Gene No.	101336	Strand	-
Start	294	End	13025
Name	OJ000204_11.0330.C9.o4.tc	Method	TBLASTX:Cress
Start	10659	End	11203
GI	none	Score	60
Exons	10659..10730, 10816..10884, 10831..10884, 10986..11066, 10990..11067, 11174..11203, 11178..11201		

Seq. No.	47624	Seq. ID	OJ000204_11.0330.C9
Gene No.	101336	Strand	-
Start	294	End	13025
Name	OJ000204_11.0330.C9.o2.gp	Method	AAT/GAP
Start	11017	End	12972
GI	54100_1.R1084	Score	1099
Exons	11017..11064, 11172..11245, 11330..11464, 12645..12972		
GI Descrip.	'3643611 3.0e-24 (AC005395) putative casein kinase [Arabidopsis thaliana]'		

Seq. No.	47625	Seq. ID	OJ000204_11.0330.C10
Gene No.	101337	Strand	+
Start	2309	End	3372
Name	OJ000204_11.0330.C10.o2.gs	Method	GENSCAN
Start	2309	End	3372
GI	none	Score	.84
Exons	2309..2341, 3030..3150, 3209..3372		

Seq. No.	47625	Seq. ID	OJ000204_11.0330.C10

Gene No.	101338	Strand	-
Start	289	End	915
Name	OJ000204_11.0330.C10.o1.gs	Method	GENSCAN
Start	289	End	915
GI	none	Score	1
Exons	289..915		

Seq. No.	47625	Seq. ID	OJ000204_11.0330.C10
Gene No.	101339	Strand	-
Start	1672	End	1769
Name	OJ000204_11.0330.C10.o1.gp	Method	AAT/GAP
Start	1672	End	1769
GI	LIB3477-003-P1-K1-E9	Score	152
Exons	1672..1769		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47625	Seq. ID	OJ000204_11.0330.C10
Gene No.	101340	Strand	-
Start	4177	End	4316
Name	OJ000204_11.0330.C10.o3.gs	Method	GENSCAN
Start	4177	End	4316
GI	none	Score	.98
Exons	4177..4316		

Seq. No.	47626	Seq. ID	OJ000214_15.0321.C3
Gene No.	101341	Strand	+
Start	6038	End	6667
Name	OJ000214_15.0321.C3.o4.gs	Method	GENSCAN
Start	6038	End	6667
GI	none	Score	.53
Exons	6038..6223, 6470..6667		

Seq. No.	47626	Seq. ID	OJ000214_15.0321.C3
Gene No.	101342	Strand	-
Start	7027	End	10258
Name	OJ000214_15.0321.C3.o3.tw	Method	TBLASTX:Wheat
Start	516	End	9182
GI	none	Score	65
Exons	516..596, 8847..8885, 8895..8993, 8911..8994, 9022..9135, 9024..9137, 9141..9182		

Seq. No.	47626	Seq. ID	OJ000214_15.0321.C3
Gene No.	101342	Strand	-
Start	7027	End	10258
Name	OJ000214_15.0321.C3.o1.np	Method	AAT/NAP
Start	7027	End	10258
GI	4680203	Score	1615
Exons	7027..7878, 8157..8381, 8538..10258		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	47626	Seq. ID	OJ000214_15.0321.C3
Gene No.	101342	Strand	-
Start	7027	End	10258
Name	OJ000214_15.0321.C3.o3.ts	Method	TBLASTX:Soybean
Start	7072	End	7284

GI	none	Score	86
Exons	7072..7284, 7126..7284		

Seq. No.	47626	Seq. ID	OJ000214_15.0321.C3
Gene No.	101342	Strand	-
Start	7027	End	10258
Name	OJ000214_15.0321.C3.o1.tw	Method	TBLASTX:Wheat
Start	7132	End	8267
GI	none	Score	43
Exons	7132..7233, 7139..7198, 7249..7365, 7264..7323, 7342..7530, 7358..7540, 7564..8118, 7637..8122, 8136..8267		

Seq. No.	47626	Seq. ID	OJ000214_15.0321.C3
Gene No.	101342	Strand	-
Start	7027	End	10258
Name	OJ000214_15.0321.C3.o3.tm	Method	TBLASTX:Maize
Start	7366	End	7656
GI	none	Score	91
Exons	7366..7473, 7367..7474, 7486..7656, 7487..7654		

Seq. No.	47626	Seq. ID	OJ000214_15.0321.C3
Gene No.	101342	Strand	-
Start	7027	End	10258
Name	OJ000214_15.0321.C3.o1.tc	Method	TBLASTX:Cress
Start	7564	End	7974
GI	none	Score	129
Exons	7564..7974, 7637..7966		

Seq. No.	47626	Seq. ID	OJ000214_15.0321.C3
Gene No.	101342	Strand	-
Start	7027	End	10258
Name	OJ000214_15.0321.C3.o1.tm	Method	TBLASTX:Maize
Start	7906	End	8291
GI	none	Score	184
Exons	7906..8118, 7907..8119, 7909..8121, 8112..8222, 8134..8223, 8223..8291		

Seq. No.	47626	Seq. ID	OJ000214_15.0321.C3
Gene No.	101342	Strand	-
Start	7027	End	10258
Name	OJ000214_15.0321.C3.o2.tm	Method	TBLASTX:Maize
Start	8796	End	9281
GI	none	Score	74
Exons	8796..8885, 8800..8889, 8884..8934, 8889..8936, 8937..8984, 9081..9170, 9082..9174, 9177..9281, 9178..9273		

Seq. No.	47626	Seq. ID	OJ000214_15.0321.C3
Gene No.	101342	Strand	-
Start	7027	End	10258
Name	OJ000214_15.0321.C3.o2.tc	Method	TBLASTX:Cress
Start	9087	End	9419
GI	none	Score	82
Exons	9087..9419, 9142..9249, 9283..9321		

Seq. No.	47626	Seq. ID	OJ000214_15.0321.C3
Gene No.	101342	Strand	-
Start	7027	End	10258

Name	OJ000214_15.0321.C3.o2.ts	Method	TBLASTX:Soybean
Start	9168	End	9443
GI	none	Score	120
Exons	9168..9443, 9169..9408		

Seq. No.	47626	Seq. ID	OJ000214_15.0321.C3
Gene No.	101342	Strand	-
Start	7027	End	10258
Name	OJ000214_15.0321.C3.o2.tw	Method	TBLASTX:Wheat
Start	9183	End	9776
GI	none	Score	69
Exons	9183..9308, 9184..9291, 9330..9428, 9484..9774, 9486..9776		

Seq. No.	47626	Seq. ID	OJ000214_15.0321.C3
Gene No.	101342	Strand	-
Start	7027	End	10258
Name	OJ000214_15.0321.C3.o1.ts	Method	TBLASTX:Soybean
Start	9486	End	9758
GI	none	Score	107
Exons	9486..9758, 9493..9741		

Seq. No.	47627	Seq. ID	OJ000214_15.0321.C4
Gene No.	101343	Strand	+
Start	1	End	3582
Name	OJ000214_15.0321.C4.o1.np	Method	AAT/NAP
Start	1	End	574
GI	7489009	Score	120
Exons	1..44, 264..574		
GI Descrip.	glycine-rich protein (clone w10-1) - tomato (fragment)		

Seq. No.	47627	Seq. ID	OJ000214_15.0321.C4
Gene No.	101343	Strand	+
Start	1	End	3582
Name	OJ000214_15.0321.C4.o1.gs	Method	GENSCAN
Start	135	End	3582
GI	none	Score	.61
Exons	135..276, 336..560, 783..983, 3452..3582		

Seq. No.	47627	Seq. ID	OJ000214_15.0321.C4
Gene No.	101343	Strand	+
Start	1	End	3582
Name	OJ000214_15.0321.C4.o1.tm	Method	TBLASTX:Maize
Start	280	End	602
GI	none	Score	115
Exons	280..399, 304..375, 311..412, 312..446, 464..514, 469..600, 470..601, 470..601, 561..602		

Seq. No.	47628	Seq. ID	OJ000214_15.0321.C5
Gene No.	101344	Strand	+
Start	5448	End	5606
Name	OJ000214_15.0321.C5.o3.gs	Method	GENSCAN
Start	5448	End	5606
GI	none	Score	.63
Exons	5448..5606		

Seq. No.	47628	Seq. ID	OJ000214_15.0321.C5
Gene No.	101345	Strand	-

Start	2236	End	2593
Name	OJ000214_15.0321.C5.o1.gs	Method	GENSCAN
Start	2236	End	2593
GI	none	Score	.78
Exons	2236..2329, 2553..2593		

Seq. No.	47628	Seq. ID	OJ000214_15.0321.C5
Gene No.	101346	Strand	-
Start	3636	End	4366
Name	OJ000214_15.0321.C5.o2.gs	Method	GENSCAN
Start	3636	End	4366
GI	none	Score	.53
Exons	3636..3826, 4204..4366		

Seq. No.	47628	Seq. ID	OJ000214_15.0321.C5
Gene No.	101347	Strand	-
Start	7295	End	7418
Name	OJ000214_15.0321.C5.o4.gs	Method	GENSCAN
Start	7295	End	7418
GI	none	Score	.92
Exons	7295..7363, 7368..7418		

Seq. No.	47629	Seq. ID	OJ000214_15.0321.C6
Gene No.	101348	Strand	+
Start	603	End	769
Name	OJ000214_15.0321.C6.o1.gs	Method	GENSCAN
Start	603	End	769
GI	none	Score	.63
Exons	603..769		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101349	Strand	+
Start	7090	End	10017
Name	OJ000214_15.0321.C7.o2.gs	Method	GENSCAN
Start	7090	End	10017
GI	none	Score	.67
Exons	7090..7183, 7222..7435, 7655..7959, 9902..10017		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101350	Strand	-
Start	892	End	8109
Name	OJ000214_15.0321.C7.o1.gs	Method	GENSCAN
Start	892	End	6845
GI	none	Score	.66
Exons	892..980, 1383..1556, 1698..1773, 2058..2440, 3015..3500, 3747..4574, 4627..5094, 5466..5603, 5735..6464, 6738..6845		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101350	Strand	-
Start	892	End	8109
Name	OJ000214_15.0321.C7.o1.np	Method	AAT/NAP
Start	2896	End	7917
GI	6623973	Score	2481
Exons	2896..6716, 7848..7917		
GI Descrip.	(AC007505) Highly similar to Ta1-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101350	Strand	-
Start	892	End	8109
Name	OJ000214_15.0321.C7.o3.np	Method	AAT/NAP
Start	7187	End	8109
GI	7340909	Score	174
Exons	7187..7356, 7770..8109		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o6.tm	Method	TBLASTX:Maize
Start	2151	End	2377
GI	none	Score	185
Exons	2151..2198, 2202..2369, 2210..2374, 2222..2377		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o1.tc	Method	TBLASTX:Cress
Start	2905	End	3498
GI	none	Score	60
Exons	2905..3117, 3133..3270, 3280..3384, 3379..3498		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o1.tm	Method	TBLASTX:Maize
Start	2905	End	3327
GI	none	Score	124
Exons	2905..3327, 2906..3031, 2911..3300, 3050..3310		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o2.ts	Method	TBLASTX:Soybean
Start	2908	End	3306
GI	none	Score	53
Exons	2908..3033, 2915..3013, 3034..3297, 3034..3306		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o4.tw	Method	TBLASTX:Wheat
Start	2932	End	3403
GI	none	Score	54
Exons	2932..3132, 2933..3121, 3148..3300, 3151..3354, 3164..3403		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o2.tm	Method	TBLASTX:Maize
Start	3378	End	3829
GI	none	Score	68
Exons	3378..3629, 3383..3694, 3391..3708, 3401..3694, 3613..3708, 3670..3828, 3740..3829		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o1.tw	Method	TBLASTX:Wheat
Start	3481	End	4260
GI	none	Score	64
Exons	3481..3936, 3725..3937, 3931..4260, 3947..4258		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o3.tm	Method	TBLASTX:Maize
Start	3835	End	4264
GI	none	Score	87
Exons	3835..4263, 3968..4264		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o1.ts	Method	TBLASTX:Soybean
Start	3850	End	4239
GI	none	Score	123
Exons	3850..4239, 3891..4115, 3947..4237		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o2.tw	Method	TBLASTX:Wheat
Start	4261	End	4531
GI	none	Score	222
Exons	4261..4530, 4262..4531		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o2.tc	Method	TBLASTX:Cress
Start	4619	End	5086
GI	none	Score	110
Exons	4619..4867, 4883..5086		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o3.ts	Method	TBLASTX:Soybean
Start	4730	End	5193
GI	none	Score	74
Exons	4730..4879, 4865..5086, 4866..5036, 5080..5193, 5081..5185		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o3.tw	Method	TBLASTX:Wheat
Start	4763	End	5412
GI	none	Score	33
Exons	4763..4867, 4884..4943, 4885..4944, 4976..5086, 5066..5212, 5080..5412, 5258..5404		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o4.tm	Method	TBLASTX:Maize
Start	4943	End	5436
GI	none	Score	77
Exons	4943..5080, 5080..5436, 5081..5224		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o5.tw	Method	TBLASTX:Wheat
Start	6102	End	6498
GI	none	Score	43
Exons	6102..6275, 6106..6165, 6195..6266, 6255..6365, 6266..6322, 6350..6496, 6351..6497, 6352..6498		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o5.tm	Method	TBLASTX:Maize
Start	7444	End	7754
GI	none	Score	43
Exons	7444..7488, 7445..7489, 7492..7635, 7511..7636, 7511..7636, 7640..7720, 7640..7711, 7650..7754, 7716..7754		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o4.ts	Method	TBLASTX:Soybean
Start	7511	End	7802
GI	none	Score	136
Exons	7511..7636, 7526..7636, 7656..7802		

Seq. No.	47630	Seq. ID	OJ000214_15.0321.C7
Gene No.	101351	Strand	-
Start	11917	End	11993
Name	OJ000214_15.0321.C7.o3.gs	Method	GENSCAN
Start	11917	End	11993
GI	none	Score	.97
Exons	11917..11993		

Seq. No.	47631	Seq. ID	OJ000214_15.0321.C8
Gene No.	101352	Strand	-
Start	2585	End	4164
Name	OJ000214_15.0321.C8.o1.np	Method	AAT/NAP
Start	2585	End	4164
GI	6907086	Score	568
Exons	2585..2835, 2942..3328, 3385..4164		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47631	Seq. ID	OJ000214_15.0321.C8
Gene No.	101353	Strand	-
Start	4522	End	8709
Name	OJ000214_15.0321.C8.o2.np	Method	AAT/NAP
Start	4522	End	7466

GI	4680186	Score	184
Exons	4522..4575, 5172..5312, 5920..6105, 7406..7466		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47631	Seq. ID	OJ000214_15.0321.C8
Gene No.	101353	Strand	-
Start	4522	End	8709
Name	OJ000214_15.0321.C8.o2.gs	Method	GENSCAN
Start	6316	End	8709
GI	none	Score	.65
Exons	6316..6344, 6441..6471, 6803..6829, 7642..7661, 7811..7900, 8646..8709		

Seq. No.	47632	Seq. ID	OJ000214_15.0321.C9
Gene No.	101354	Strand	+
Start	125	End	338
Name	OJ000214_15.0321.C9.o1.gs	Method	GENSCAN
Start	125	End	338
GI	none	Score	.97
Exons	125..338		

Seq. No.	47633	Seq. ID	OJ000214_15.0321.C10
Gene No.	101355	Strand	-
Start	2262	End	3374
Name	OJ000214_15.0321.C10.o1.gs	Method	GENSCAN
Start	2262	End	3374
GI	none	Score	.81
Exons	2262..2279, 2581..2771, 2810..2938, 3305..3374		

Seq. No.	47634	Seq. ID	OJ000214_15.0321.C11
Gene No.	101356	Strand	-
Start	241	End	372
Name	OJ000214_15.0321.C11.o1.gs	Method	GENSCAN
Start	241	End	372
GI	none	Score	.67
Exons	241..372		

Seq. No.	47635	Seq. ID	OJ000214_15.0321.C12
Gene No.	101357	Strand	+
Start	55	End	2405
Name	OJ000214_15.0321.C12.o1.gs	Method	GENSCAN
Start	55	End	2247
GI	none	Score	.84
Exons	55..202, 380..503, 620..2247		

Seq. No.	47635	Seq. ID	OJ000214_15.0321.C12
Gene No.	101357	Strand	+
Start	55	End	2405
Name	OJ000214_15.0321.C12.o2.tw	Method	TBLASTX:Wheat
Start	390	End	775
GI	none	Score	177
Exons	390..617, 392..616, 617..772, 623..775, 643..774		

Seq. No.	47635	Seq. ID	OJ000214_15.0321.C12
Gene No.	101357	Strand	+
Start	55	End	2405
Name	OJ000214_15.0321.C12.o1.np	Method	AAT/NAP

Start	396	End	2405
GI	6539553	Score	3514
Exons	396..2405		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	47635	Seq. ID	OJ000214_15.0321.C12
Gene No.	101357	Strand	+
Start	55	End	2405
Name	OJ000214_15.0321.C12.o2.tm	Method	TBLASTX:Maize
Start	525	End	837
GI	none	Score	89
Exons	525..617, 533..616, 611..832, 621..836, 622..837, 624..833, 625..834, 626..835		

Seq. No.	47635	Seq. ID	OJ000214_15.0321.C12
Gene No.	101357	Strand	+
Start	55	End	2405
Name	OJ000214_15.0321.C12.o1.tm	Method	TBLASTX:Maize
Start	1336	End	1658
GI	none	Score	268
Exons	1336..1590, 1343..1657, 1363..1656, 1491..1658		

Seq. No.	47635	Seq. ID	OJ000214_15.0321.C12
Gene No.	101357	Strand	+
Start	55	End	2405
Name	OJ000214_15.0321.C12.o2.ts	Method	TBLASTX:Soybean
Start	1685	End	2071
GI	none	Score	88
Exons	1685..1840, 1823..2071		

Seq. No.	47635	Seq. ID	OJ000214_15.0321.C12
Gene No.	101357	Strand	+
Start	55	End	2405
Name	OJ000214_15.0321.C12.o3.tm	Method	TBLASTX:Maize
Start	1859	End	2293
GI	none	Score	304
Exons	1859..2293, 2068..2268		

Seq. No.	47635	Seq. ID	OJ000214_15.0321.C12
Gene No.	101357	Strand	+
Start	55	End	2405
Name	OJ000214_15.0321.C12.o1.tw	Method	TBLASTX:Wheat
Start	1936	End	2332
GI	none	Score	156
Exons	1936..2160, 1937..2170, 1940..2185, 2147..2332, 2148..2294, 2159..2332		

Seq. No.	47635	Seq. ID	OJ000214_15.0321.C12
Gene No.	101357	Strand	+
Start	55	End	2405
Name	OJ000214_15.0321.C12.o1.ts	Method	TBLASTX:Soybean
Start	2081	End	2398
GI	none	Score	201
Exons	2081..2305, 2089..2259, 2306..2398, 2314..2352		

Seq. No.	47636	Seq. ID	OJ000214_15.0321.C13
Gene No.	101358	Strand	+
Start	1	End	1939
Name	OJ000214_15.0321.C13.o1.np	Method	AAT/NAP
Start	1	End	1936
GI	6539553	Score	3278
Exons	1..1936		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	47636	Seq. ID	OJ000214_15.0321.C13
Gene No.	101358	Strand	+
Start	1	End	1939
Name	OJ000214_15.0321.C13.o1.gs	Method	GENSCAN
Start	146	End	1939
GI	none	Score	.61
Exons	146..1939		

Seq. No.	47636	Seq. ID	OJ000214_15.0321.C13
Gene No.	101359	Strand	-
Start	11608	End	11865
Name	OJ000214_15.0321.C13.o2.tw	Method	TBLASTX:Wheat
Start	1	End	520
GI	none	Score	155
Exons	1..210, 1..252, 2..229, 273..503, 281..520, 303..500, 361..519		

Seq. No.	47636	Seq. ID	OJ000214_15.0321.C13
Gene No.	101359	Strand	-
Start	11608	End	11865
Name	OJ000214_15.0321.C13.o1.ts	Method	TBLASTX:Soybean
Start	440	End	904
GI	5509260	Score	376
Exons	440..904, 541..609, 658..753, 826..885		
GI Descrip.	-		

Seq. No.	47636	Seq. ID	OJ000214_15.0321.C13
Gene No.	101359	Strand	-
Start	11608	End	11865
Name	OJ000214_15.0321.C13.o1.tc	Method	TBLASTX:Cress
Start	533	End	793
GI	none	Score	282
Exons	533..793		

Seq. No.	47636	Seq. ID	OJ000214_15.0321.C13
Gene No.	101359	Strand	-
Start	11608	End	11865
Name	OJ000214_15.0321.C13.o1.tm	Method	TBLASTX:Maize
Start	574	End	1039
GI	none	Score	359
Exons	574..693, 575..1039, 710..892		

Seq. No.	47636	Seq. ID	OJ000214_15.0321.C13
Gene No.	101359	Strand	-
Start	11608	End	11865

Name	OJ000214_15.0321.C13.o3.tw	Method	TBLASTX:Wheat
Start	575	End	1120
GI	none	Score	317
Exons	575..919, 722..895, 914..1120, 988..1110		

Seq. No.	47636	Seq. ID	OJ000214_15.0321.C13
Gene No.	101359	Strand	-
Start	11608	End	11865
Name	OJ000214_15.0321.C13.o2.ts	Method	TBLASTX:Soybean
Start	973	End	1321
GI	none	Score	308
Exons	973..1173, 974..1321		

Seq. No.	47636	Seq. ID	OJ000214_15.0321.C13
Gene No.	101359	Strand	-
Start	11608	End	11865
Name	OJ000214_15.0321.C13.o2.tm	Method	TBLASTX:Maize
Start	1129	End	1468
GI	none	Score	300
Exons	1129..1467, 1130..1468		

Seq. No.	47636	Seq. ID	OJ000214_15.0321.C13
Gene No.	101359	Strand	-
Start	11608	End	11865
Name	OJ000214_15.0321.C13.o1.tw	Method	TBLASTX:Wheat
Start	1324	End	1800
GI	none	Score	95
Exons	1324..1395, 1325..1399, 1414..1800, 1415..1762		

Seq. No.	47636	Seq. ID	OJ000214_15.0321.C13
Gene No.	101359	Strand	-
Start	11608	End	11865
Name	OJ000214_15.0321.C13.o3.ts	Method	TBLASTX:Soybean
Start	1331	End	1672
GI	none	Score	88
Exons	1331..1444, 1357..1437, 1463..1672, 1468..1593		

Seq. No.	47636	Seq. ID	OJ000214_15.0321.C13
Gene No.	101359	Strand	-
Start	11608	End	11865
Name	OJ000214_15.0321.C13.o3.gs	Method	GENSCAN
Start	11608	End	11865
GI	none	Score	.95
Exons	11608..11865		

Seq. No.	47637	Seq. ID	OJ000214_15.0321.C14
Gene No.	101360	Strand	+
Start	1	End	2003
Name	OJ000214_15.0321.C14.o1.np	Method	AAT/NAP
Start	1	End	2003
GI	4388818	Score	1071
Exons	1..2003		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	47637	Seq. ID	OJ000214_15.0321.C14
Gene No.	101360	Strand	+

Start	1	End	2003
Name	OJ000214_15.0321.C14.o2.tw	Method	TBLASTX:Wheat
Start	3	End	308
GI	none	Score	44
Exons	3..35, 15..125, 22..168, 30..119, 32..124, 117..176, 142..237, 270..308		

Seq. No.	47637	Seq. ID	OJ000214_15.0321.C14
Gene No.	101360	Strand	+
Start	1	End	2003
Name	OJ000214_15.0321.C14.o1.gs	Method	GENSCAN
Start	90	End	1973
GI	none	Score	.48
Exons	90..710, 966..1331, 1568..1973		

Seq. No.	47637	Seq. ID	OJ000214_15.0321.C14
Gene No.	101360	Strand	+
Start	1	End	2003
Name	OJ000214_15.0321.C14.o1.gp	Method	AAT/GAP
Start	850	End	1286
GI	2428449	Score	838
Exons	850..1286		
GI Descrip.	4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]		

Seq. No.	47637	Seq. ID	OJ000214_15.0321.C14
Gene No.	101360	Strand	+
Start	1	End	2003
Name	OJ000214_15.0321.C14.o1.tw	Method	TBLASTX:Wheat
Start	1013	End	1621
GI	none	Score	236
Exons	1013..1324, 1014..1325, 1325..1462, 1559..1621		

Seq. No.	47637	Seq. ID	OJ000214_15.0321.C14
Gene No.	101360	Strand	+
Start	1	End	2003
Name	OJ000214_15.0321.C14.o1.tm	Method	TBLASTX:Maize
Start	1059	End	1684
GI	none	Score	72
Exons	1059..1124, 1125..1349, 1215..1325, 1315..1560, 1328..1561, 1559..1684		

Seq. No.	47637	Seq. ID	OJ000214_15.0321.C14
Gene No.	101360	Strand	+
Start	1	End	2003
Name	OJ000214_15.0321.C14.o1.ts	Method	TBLASTX:Soybean
Start	1233	End	1684
GI	none	Score	85
Exons	1233..1325, 1262..1324, 1325..1561, 1327..1491, 1547..1684		

Seq. No.	47637	Seq. ID	OJ000214_15.0321.C14
Gene No.	101360	Strand	+
Start	1	End	2003
Name	OJ000214_15.0321.C14.o1.tc	Method	TBLASTX:Cress
Start	1251	End	1717
GI	none	Score	62

Exons	1251..1328, 1328..1543, 1558..1674, 1559..1717		
Seq. No.	47638	Seq. ID	OJ000204_17.0323.C1
Gene No.	101361	Strand	+
Start	1	End	83
Name	OJ000204_17.0323.C1.o1.gp	Method	AAT/GAP
Start	1	End	83
GI	none	Score	143
Exons	1..83		
Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101362	Strand	+
Start	1573	End	1982
Name	OJ000204_17.0323.C2.o1.gp	Method	AAT/GAP
Start	1538	End	1982
GI	425928	Score	682
Exons	1538..1628, 1714..1982		
Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101362	Strand	+
Start	1573	End	1982
Name	OJ000204_17.0323.C2.o2.gs	Method	GENSCAN
Start	1573	End	1837
GI	none	Score	.55
Exons	1573..1628, 1714..1837		
Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101363	Strand	-
Start	1	End	1482
Name	OJ000204_17.0323.C2.o1.np	Method	AAT/NAP
Start	1	End	1482
GI	3582328	Score	753
Exons	1..1482		
GI Descrip.	(AC005496) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101363	Strand	-
Start	1	End	1482
Name	OJ000204_17.0323.C2.o1.gs	Method	GENSCAN
Start	255	End	1423
GI	none	Score	.42
Exons	255..1423		
Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101364	Strand	-
Start	3164	End	4060
Name	OJ000204_17.0323.C2.o1.tc	Method	TBLASTX:Cress
Start	2	End	1237
GI	none	Score	89
Exons	2..100, 29..247, 30..248, 87..269, 107..796, 308..691, 338..403, 339..797, 482..973, 497..691, 734..796, 797..1099, 809..1237, 827..1027		
Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101364	Strand	-
Start	3164	End	4060
Name	OJ000204_17.0323.C2.o1.tw	Method	TBLASTX:Wheat

Start	2	End	1237
GI	none	Score	153
Exons	2..445, 36..446, 305..583, 500..847, 731..1150, 1061..1237		

Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101364	Strand	-
Start	3164	End	4060
Name	OJ000204_17.0323.C2.o2.tm	Method	TBLASTX:Maize
Start	11	End	1252
GI	none	Score	45
Exons	11..283, 36..101, 119..280, 129..251, 203..676, 234..404, 236..676, 515..715, 599..988, 612..671, 723..950, 818..1015, 902..1252		

Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101364	Strand	-
Start	3164	End	4060
Name	OJ000204_17.0323.C2.o2.ts	Method	TBLASTX:Soybean
Start	36	End	949
GI	none	Score	95
Exons	36..254, 62..256, 176..559, 572..949, 572..652, 732..920		

Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101364	Strand	-
Start	3164	End	4060
Name	OJ000204_17.0323.C2.o2.gp	Method	AAT/GAP
Start	2989	End	3514
GI	uC-osflcyp087a07a1	Score	802
Exons	2989..3349, 3453..3514		
GI Descrip.	'1346883/sp|P49085|PSY_MAIZE 1.0e-25 PHYTOENE SYNTHASE PRECURSOR >gi_2130144_pir__S68307 phytoene synthase - maize >gi_1098665 (U32636) phytoene synthase [Zea mays]'		

Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101364	Strand	-
Start	3164	End	4060
Name	OJ000204_17.0323.C2.o3.gs	Method	GENSCAN
Start	3164	End	3645
GI	none	Score	.55
Exons	3164..3349, 3453..3645		

Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101364	Strand	-
Start	3164	End	4060
Name	OJ000204_17.0323.C2.o2.np	Method	AAT/NAP
Start	3170	End	4060
GI	1709885	Score	392
Exons	3170..3349, 3453..3645, 3723..4060		
GI Descrip.	PHYTOENE SYNTHASE PRECURSOR gi|1086122|pir||S54135 phytoene synthase (EC 2.5.1.-) - Narcissus pseudonarcissus gi|780275|emb|CAA55391.1| (X78814) phytoene synthase [Narcissus pseudonarcissus]		

Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101364	Strand	-
Start	3164	End	4060
Name	OJ000204_17.0323.C2.o1.tm	Method	TBLASTX:Maize

Start	3174	End	3645
GI	none	Score	71
Exons	3174..3272, 3179..3349, 3201..3356, 3203..3349, 3449..3508, 3450..3635, 3450..3644, 3451..3645		

Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101364	Strand	-
Start	3164	End	4060
Name	OJ000204_17.0323.C2.o2.tc	Method	TBLASTX:Cress
Start	3191	End	3645
GI	none	Score	77
Exons	3191..3349, 3450..3644, 3451..3645		

Seq. No.	47639	Seq. ID	OJ000204_17.0323.C2
Gene No.	101364	Strand	-
Start	3164	End	4060
Name	OJ000204_17.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	3203	End	3645
GI	none	Score	77
Exons	3203..3349, 3450..3644, 3451..3645		

Seq. No.	47640	Seq. ID	OJ000204_17.0323.C4
Gene No.	101365	Strand	+
Start	90	End	3752
Name	OJ000204_17.0323.C4.o1.gs	Method	GENSCAN
Start	90	End	2395
GI	none	Score	.43
Exons	90..98, 115..169, 349..626, 2180..2395		

Seq. No.	47640	Seq. ID	OJ000204_17.0323.C4
Gene No.	101365	Strand	+
Start	90	End	3752
Name	OJ000204_17.0323.C4.o1.np	Method	AAT/NAP
Start	90	End	3752
GI	6227016	Score	576
Exons	90..247, 351..626, 2180..2266, 3694..3752		
GI Descrip.	(AC009513) Contains similarity to gb|AF123310 NAC domain protein NAM gene from Arabidopsis thaliana		

Seq. No.	47640	Seq. ID	OJ000204_17.0323.C4
Gene No.	101366	Strand	-
Start	3133	End	3688
Name	OJ000204_17.0323.C4.o1.tc	Method	TBLASTX:Cress
Start	83	End	569
GI	none	Score	93
Exons	83..139, 90..146, 90..146, 139..237, 140..241, 143..241, 338..553, 342..554, 357..569		

Seq. No.	47640	Seq. ID	OJ000204_17.0323.C4
Gene No.	101366	Strand	-
Start	3133	End	3688
Name	OJ000204_17.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	86	End	584
GI	none	Score	80
Exons	86..139, 87..146, 139..240, 140..241, 342..584, 347..484, 506..583		

Seq. No.	47640	Seq. ID	OJ000204_17.0323.C4
Gene No.	101366	Strand	-
Start	3133	End	3688
Name	OJ000204_17.0323.C4.o1.ts	Method	TBLASTX:Soybean
Start	111	End	639
GI	none	Score	65
Exons	111..146, 140..247, 140..265, 342..626, 380..619, 403..639		

Seq. No.	47640	Seq. ID	OJ000204_17.0323.C4
Gene No.	101366	Strand	-
Start	3133	End	3688
Name	OJ000204_17.0323.C4.o1.tw	Method	TBLASTX:Wheat
Start	369	End	614
GI	none	Score	277
Exons	369..614, 371..583		

Seq. No.	47640	Seq. ID	OJ000204_17.0323.C4
Gene No.	101366	Strand	-
Start	3133	End	3688
Name	OJ000204_17.0323.C4.o2.gs	Method	GENSCAN
Start	3133	End	3688
GI	none	Score	.62
Exons	3133..3150, 3525..3688		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5
Gene No.	101367	Strand	+
Start	29	End	1229
Name	OJ000204_17.0323.C5.o1.gs	Method	GENSCAN
Start	29	End	1205
GI	none	Score	.57
Exons	29..95, 367..658, 731..1205		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5
Gene No.	101367	Strand	+
Start	29	End	1229
Name	OJ000204_17.0323.C5.o1.gp	Method	AAT/GAP
Start	586	End	1229
GI	666_11.R1084	Score	1267
Exons	586..1229		
GI Descrip.	'122106/sp|P02308|H4_WHEAT 8.0e-40 HISTONE H4 >gi_70771_pir__HSZM4 histone H4 - maize >gi_81642_pir__S06904 histone H4 - Arabidopsis thaliana >gi_2119028_pir__S60475 histone H4 - garden pea >gi_21795_emb_CAA24924_ (X00043) histone H4 [Triticum aestivum] >gi_166740 (M17132) histone H4 [Arabidopsis thaliana] >gi_166742 (M17133) histone H4 [Arabidopsis thaliana] >gi_168499 (M36659) histo'		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5
Gene No.	101368	Strand	+
Start	3892	End	10392
Name	OJ000204_17.0323.C5.o2.gs	Method	GENSCAN
Start	3892	End	10327
GI	none	Score	.85
Exons	3892..4054, 4703..4781, 5651..5832, 5957..6050, 6169..6216, 6300..6391, 6518..6608, 7623..7683, 7942..7992, 8081..8154, 8269..8341, 9008..9073, 9290..9322, 9408..9460, 9535..9748, 9837..9920, 10000..10098, 10223..10327		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5
Gene No.	101368	Strand	+
Start	3892	End	10392
Name	OJ000204_17.0323.C5.o2.gp	Method	AAT/GAP
Start	5896	End	10332
GI	11179_1.R1084	Score	2393
Exons	5896..6050, 6169..6216, 6300..6391, 6518..6608, 7623..7683, 7773..7850, 7942..7992, 8081..8154, 8269..8341, 8725..8782, 8886..8932, 9008..9073, 9290..9322, 9408..9460, 9535..9610, 9692..9748, 9837..9920, 10000..10098, 10223..10332		
GI Descrip.	'2117937/pir||JC4785 0.0e+00 UTP--glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) - barley >gi_1212996_emb_CAA62689_ (X91347) UDP-glucose pyrophosphorylase [Hordeum vulgare]'		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5
Gene No.	101368	Strand	+
Start	3892	End	10392
Name	OJ000204_17.0323.C5.o2.np	Method	AAT/NAP
Start	5974	End	10392
GI	6136111	Score	1529
Exons	5974..6050, 6169..6216, 6300..6391, 6518..6608, 7623..7683, 7773..7850, 7942..7992, 8081..8154, 8269..8341, 8725..8782, 8886..8932, 9008..9073, 9290..9322, 9408..9460, 9535..9610, 9692..9748, 9837..9920, 10000..10098, 10223..10392		
GI Descrip.	UTP--GLUCOSE-1-PHOSPHATE URIDYLYLTRANSFERASE (UDP-GLUCOSE PYROPHOSPHORYLASE) (UDPGP) (UGPASE) gi|2117937|pir||JC4785 UTP--glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) - barley gi|1212996|emb|CAA62689| (X91347) UDP-glucose pyrophosphorylase [Hordeum vulgare]		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5
Gene No.	101369	Strand	-
Start	852	End	1160
Name	OJ000204_17.0323.C5.o2.tc	Method	TBLASTX:Cress
Start	819	End	1098
GI	none	Score	159
Exons	819..1097, 846..1097, 886..1098		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5
Gene No.	101369	Strand	-
Start	852	End	1160
Name	OJ000204_17.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	840	End	1098
GI	none	Score	272
Exons	840..1034, 840..1097, 886..1098		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5
Gene No.	101369	Strand	-
Start	852	End	1160
Name	OJ000204_17.0323.C5.o2.ts	Method	TBLASTX:Soybean
Start	840	End	1098
GI	none	Score	160
Exons	840..1097, 849..1097, 886..1098		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5

Gene No.	101369	Strand	-
Start	852	End	1160
Name	OJ000204_17.0323.C5.o1.tw	Method	TBLASTX:Wheat
Start	846	End	1098
GI	none	Score	282
Exons	846..1097, 849..1097, 886..1098		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5
Gene No.	101369	Strand	-
Start	852	End	1160
Name	OJ000204_17.0323.C5.o1.np	Method	AAT/NAP
Start	852	End	1160
GI	122106	Score	523
Exons	852..1160		
GI Descrip.	HISTONE H4 gi|70771|pir||HSZM4 histone H4 - maize gi|81642|pir||S06904 histone H4 - Arabidopsis thaliana gi|2119028|pir||S60475 histone H4 - garden pea gi|21795|emb|CAA24924| (X00043) histone H4 [Triticum aestivum] gi|166740 (M17132) histone H4 [Arabidopsis thaliana] gi|166742 (M17133) histone H4 [Arabidopsis thaliana] gi|168499 (M36659) histone H4 (H4C13) [Zea mays]		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5
Gene No.	101370	Strand	
Start	5901	End	10332
Name	OJ000204_17.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	5901	End	10328
GI	none	Score	76
Exons	5901..5933, 5917..6048, 5940..6050, 5950..6048, 6166..6216, 6166..6228, 6294..6335, 6298..6390, 6346..6390, 6517..6609, 6572..6610, 6573..6611, 6585..6656, 7620..7682, 7620..7682, 7621..7683, 7767..7856, 7767..7844, 7771..7854, 7772..7855, 7938..7988, 7939..7992, 8071..8154, 8072..8155, 8079..8156, 8269..8337, 8270..8341, 8284..8343, 8719..8790, 8721..8789, 8885..8935, 8887..8934, 8984..9073, 8995..9081, 8996..9094, 9251..9325, 9266..9325, 9405..9461, 9407..9463, 9408..9461, 9524..9610, 9525..9611, 9530..9613, 9567..9614, 9673..9747, 9689..9763, 9689..9766, 9814..9927, 9830..9916, 9836..9928, 9837..9920, 9862..9936, 9985..10113, 9988..10098, 10177..10326, 10220..10327, 10221..10328, 10223..10327		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5
Gene No.	101370	Strand	
Start	5901	End	10332
Name	OJ000204_17.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	6166	End	10332
GI	none	Score	66
Exons	6166..6234, 6167..6214, 6310..6396, 6526..6603, 6585..6608, 7620..7682, 7621..7683, 7767..7868, 7767..7841, 7775..7855, 7938..7997, 7939..7992, 8071..8151, 8072..8155, 8078..8155, 8269..8346, 8270..8341, 8281..8355, 8719..8790, 8724..8789, 8885..8935, 8887..8934, 8995..9075, 8996..9094, 9266..9325, 9283..9324, 9407..9463, 9408..9461, 9524..9610, 9530..9613, 9689..9763, 9689..9757, 9836..9916, 9837..9920, 9981..10100, 9985..10113, 10162..10332, 10223..10327		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5

Gene No.	101370	Strand	
Start	5901	End	10332
Name	OJ000204_17.0323.C5.o3.tc	Method	TBLASTX:Cress
Start	6520	End	8790
GI	none	Score	86
Exons	6520..6603, 7621..7683, 7623..7682, 7624..7683, 7767..7856, 7767..7844, 7775..7855, 7938..7988, 7939..7992, 8071..8151, 8072..8155, 8078..8155, 8269..8346, 8270..8341, 8719..8766, 8758..8790		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5
Gene No.	101370	Strand	
Start	5901	End	10332
Name	OJ000204_17.0323.C5.o2.tw	Method	TBLASTX:Wheat
Start	7935	End	9319
GI	none	Score	94
Exons	7935..7991, 7938..8018, 7939..7992, 8071..8154, 8072..8155, 8269..8340, 8270..8341, 8275..8343, 8689..8781, 8690..8782, 8719..8790, 8724..8786, 8881..8931, 8885..8935, 8887..8934, 8995..9069, 8996..9094, 9266..9319		

Seq. No.	47641	Seq. ID	OJ000204_17.0323.C5
Gene No.	101370	Strand	
Start	5901	End	10332
Name	OJ000204_17.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	9289	End	10327
GI	none	Score	60
Exons	9289..9324, 9290..9325, 9407..9469, 9408..9461, 9410..9463, 9524..9610, 9531..9611, 9535..9612, 9536..9613, 9673..9744, 9689..9763, 9689..9757, 9836..9916, 9837..9920, 9837..9938, 9981..10100, 9985..10113, 9988..10101, 10192..10326, 10220..10327, 10223..10327		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101371	Strand	+
Start	1	End	437
Name	OJ000204_17.0323.C6.o1.gp	Method	AAT/GAP
Start	1	End	437
GI	11179_1.R1084	Score	617
Exons	1..53, 161..437		
GI Descrip.	'2117937/pir||JC4785 0.0e+00 UTP--glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) - barley >gi_1212996_emb_CAA62689_ (X91347) UDP-glucose pyrophosphorylase [Hordeum vulgare]'		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101372	Strand	+
Start	6648	End	7244
Name	OJ000204_17.0323.C6.o2.gs	Method	GENSCAN
Start	6648	End	7244
GI	none	Score	.97
Exons	6648..7244		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101373	Strand	+
Start	9076	End	12932
Name	OJ000204_17.0323.C6.o3.gs	Method	GENSCAN

Start	9076	End	12402
GI	none	Score	.78
Exons	9076..9331, 10101..10288, 11037..11120, 11221..11373, 11560..11736, 12006..12073, 12306..12402		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101373	Strand	+
Start	9076	End	12932
Name	OJ000204_17.0323.C6.o4.gp	Method	AAT/GAP
Start	9079	End	10636
GI	uC-osflcyp175d09b1	Score	980
Exons	9079..9331, 10155..10288, 10389..10452, 10560..10636		
GI Descrip.	'4262242/gb|AAD14535| 9.0e-47 (AC006200) NADC homolog [Arabidopsis thaliana]'		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101373	Strand	+
Start	9076	End	12932
Name	OJ000204_17.0323.C6.o5.np	Method	AAT/NAP
Start	9139	End	12399
GI	7024457	Score	1004
Exons	9139..9331, 10155..10288, 10389..10452, 10560..10642, 11037..11120, 11221..11373, 11560..11736, 12006..12073, 12306..12399		
GI Descrip.	(AB038494) quinolinate phosphoribosyltransferase [Nicotiana tabacum]		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101373	Strand	+
Start	9076	End	12932
Name	OJ000204_17.0323.C6.o5.gp	Method	AAT/GAP
Start	11570	End	12932
GI	6680_1.R1084	Score	1364
Exons	11570..11736, 12006..12073, 12306..12438, 12513..12932		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101374	Strand	-
Start	453	End	6289
Name	OJ000204_17.0323.C6.o1.gs	Method	GENSCAN
Start	453	End	6289
GI	none	Score	.57
Exons	453..647, 1305..1359, 1685..1743, 2079..2214, 2676..2752, 3004..3135, 5498..5775, 5811..6153, 6185..6289		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101374	Strand	-
Start	453	End	6289
Name	OJ000204_17.0323.C6.o2.gp	Method	AAT/GAP
Start	947	End	1935
GI	none	Score	1034
Exons	947..1359, 1685..1743, 1852..1935		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101374	Strand	-
Start	453	End	6289

Name	OJ000204_17.0323.C6.o1.np	Method	AAT/NAP
Start	1691	End	4490
GI	1871177	Score	514
Exons	1691..1992, 2079..2214, 2676..2752, 3004..3124, 3820..3971, 4396..4490		
GI Descrip.	(U90439) unknown protein [Arabidopsis thaliana]		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101374	Strand	-
Start	453	End	6289
Name	OJ000204_17.0323.C6.o3.gp	Method	AAT/GAP
Start	3168	End	3594
GI	none	Score	850
Exons	3168..3594		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101375	Strand	-
Start	8247	End	8366
Name	OJ000204_17.0323.C6.o2.np	Method	AAT/NAP
Start	8247	End	8366
GI	131350	Score	204
Exons	8247..8366		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER J PROTEIN gi|72721|pir||F2RZJ photosystem II protein psbJ - rice chloroplast gi|12001|emb|CAA33962| (X15901) ORF40; pot. PSII component [Oryza sativa] gi|226622|prf||1603356AV photosystem II component [Oryza sativa]		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101376	Strand	-
Start	8496	End	8609
Name	OJ000204_17.0323.C6.o3.np	Method	AAT/NAP
Start	8496	End	8609
GI	131368	Score	198
Exons	8496..8609		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER L PROTEIN (PSII 5 KD PROTEIN) gi|72696|pir||F2RZL photosystem II protein psbL - rice chloroplast gi|72697|pir||F2WTL photosystem II protein psbL - wheat chloroplast gi|82447|pir||S04064 photosystem II protein psbL - barley chloroplast gi|82559|pir||S03193 photosystem II protein psbL - rye chloroplast gi|483158|pir||C48310 photosystem I		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101377	Strand	-
Start	8635	End	9016
Name	OJ000204_17.0323.C6.o2.tm	Method	TBLASTX:Maize
Start	1191	End	2184
GI	none	Score	81
Exons	1191..1361, 1285..1362, 1669..1752, 1685..1744, 1852..1998, 1852..1998, 2067..2183, 2067..2183, 2074..2184		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101377	Strand	-
Start	8635	End	9016
Name	OJ000204_17.0323.C6.o2.ts	Method	TBLASTX:Soybean
Start	1906	End	2256

GI	none	Score	66
Exons	1906..1992, 1940..1996, 2052..2237, 2067..2210, 2080..2256		
Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101377	Strand	-
Start	8635	End	9016
Name	OJ000204_17.0323.C6.o4.tm	Method	TBLASTX:Maize
Start	3005	End	3136
GI	none	Score	157
Exons	3005..3136, 3007..3135		
Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101377	Strand	-
Start	8635	End	9016
Name	OJ000204_17.0323.C6.o3.tc	Method	TBLASTX:Cress
Start	8233	End	8525
GI	none	Score	262
Exons	8233..8433, 8236..8433, 8238..8435, 8472..8525, 8473..8523		
Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101377	Strand	-
Start	8635	End	9016
Name	OJ000204_17.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	8242	End	8525
GI	none	Score	364
Exons	8242..8457, 8242..8496, 8457..8525, 8458..8523, 8459..8524		
Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101377	Strand	-
Start	8635	End	9016
Name	OJ000204_17.0323.C6.o1.tw	Method	TBLASTX:Wheat
Start	8477	End	8841
GI	none	Score	582
Exons	8477..8836, 8477..8836, 8478..8837, 8479..8841, 8479..8838		
Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101377	Strand	-
Start	8635	End	9016
Name	OJ000204_17.0323.C6.o1.tc	Method	TBLASTX:Cress
Start	8564	End	8851
GI	none	Score	74
Exons	8564..8617, 8565..8621, 8565..8621, 8566..8622, 8566..8622, 8623..8751, 8624..8752, 8625..8753, 8755..8838, 8759..8851, 8759..8836		
Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101377	Strand	-
Start	8635	End	9016
Name	OJ000204_17.0323.C6.o4.np	Method	AAT/NAP
Start	8635	End	9016
GI	224159	Score	245
Exons	8635..9016		
GI Descrip.	cytochrome b559 [Spinacia oleracea]		
Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101378	Strand	
Start	9220	End	11634

Name	OJ000204_17.0323.C6.o2.tc	Method	TBLASTX:Cress
Start	9220	End	11084
GI	none	Score	116
Exons	9220..9333, 9258..9323, 10151..10291, 10153..10290, 10377..10448, 10382..10468, 10383..10454, 10387..10479, 10558..10653, 10559..10654, 11040..11084		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101378	Strand	
Start	9220	End	11634
Name	OJ000204_17.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	9253	End	10636
GI	none	Score	114
Exons	9253..9333, 9258..9332, 10123..10290, 10154..10291, 10157..10294, 10383..10454, 10388..10453, 10555..10632, 10559..10636		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101378	Strand	
Start	9220	End	11634
Name	OJ000204_17.0323.C6.o3.tm	Method	TBLASTX:Maize
Start	10391	End	11634
GI	none	Score	118
Exons	10391..10453, 10392..10454, 10558..10611, 10559..10600, 11049..11123, 11049..11123, 11186..11374, 11220..11384, 11221..11382, 11557..11601, 11587..11634		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101378	Strand	
Start	9220	End	11634
Name	OJ000204_17.0323.C6.o3.ts	Method	TBLASTX:Soybean
Start	11034	End	11358
GI	none	Score	128
Exons	11034..11123, 11075..11122, 11220..11345, 11220..11345, 11221..11358, 11221..11358		

Seq. No.	47642	Seq. ID	OJ000204_17.0323.C6
Gene No.	101379	Strand	
Start	11557	End	12405
Name	OJ000204_17.0323.C6.o4.ts	Method	TBLASTX:Soybean
Start	11557	End	12405
GI	none	Score	233
Exons	11557..11736, 11619..11735, 12003..12071, 12005..12073, 12256..12405, 12300..12404		

Seq. No.	47643	Seq. ID	OJ000204_17.0323.C7
Gene No.	101380	Strand	+
Start	377	End	451
Name	OJ000204_17.0323.C7.o1.gs	Method	GENSCAN
Start	377	End	451
GI	none	Score	.66
Exons	377..418, 437..451		

Seq. No.	47643	Seq. ID	OJ000204_17.0323.C7
Gene No.	101381	Strand	-
Start	1823	End	2440
Name	OJ000204_17.0323.C7.o2.gs	Method	GENSCAN

Start	1823	End	2329
GI	none	Score	.58
Exons	1823..2329		

Seq. No.	47643	Seq. ID	OJ000204_17.0323.C7
Gene No.	101381	Strand	-
Start	1823	End	2440
Name	OJ000204_17.0323.C7.o1.tm	Method	TBLASTX:Maize
Start	2135	End	2440
GI	none	Score	286
Exons	2135..2182, 2243..2440, 2244..2438		

Seq. No.	47643	Seq. ID	OJ000204_17.0323.C7
Gene No.	101381	Strand	-
Start	1823	End	2440
Name	OJ000204_17.0323.C7.o1.ts	Method	TBLASTX:Soybean
Start	2249	End	2440
GI	none	Score	200
Exons	2249..2440, 2250..2438		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101382	Strand	+
Start	4961	End	7221
Name	OJ000204_17.0323.C8.o3.gs	Method	GENSCAN
Start	4961	End	7166
GI	none	Score	.98
Exons	4961..5032, 5226..5402, 6748..6855, 6945..7166		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101382	Strand	+
Start	4961	End	7221
Name	OJ000204_17.0323.C8.o1.gp	Method	AAT/GAP
Start	5294	End	5402
GI	572498	Score	172
Exons	5294..5402		
GI Descrip.	3128181 2.0e-23 (AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101382	Strand	+
Start	4961	End	7221
Name	OJ000204_17.0323.C8.o1.np	Method	AAT/NAP
Start	5343	End	7181
GI	7486425	Score	334
Exons	5343..5402, 6748..6855, 6945..7181		
GI Descrip.	hypothetical protein F4I1.17 - Arabidopsis thaliana gi|3128181|gb|AAC16085.1| (AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101382	Strand	+
Start	4961	End	7221
Name	OJ000204_17.0323.C8.o2.gp	Method	AAT/GAP
Start	6748	End	7184
GI	572498	Score	562
Exons	6748..6855, 6945..7184		
GI Descrip.	3128181 2.0e-23 (AC004521) unknown protein [Arabidopsis		

thaliana]

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101382	Strand	+
Start	4961	End	7221
Name	OJ000204_17.0323.C8.o3.gp	Method	AAT/GAP
Start	6748	End	7221
GI	572498	Score	597
Exons	6748..6855, 6945..7221		
GI Descrip.	3128181 2.0e-23 (AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101383	Strand	+
Start	7918	End	10872
Name	OJ000204_17.0323.C8.o4.gs	Method	GENSCAN
Start	7918	End	10569
GI	none	Score	1
Exons	7918..10569		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101383	Strand	+
Start	7918	End	10872
Name	OJ000204_17.0323.C8.o4.gp	Method	AAT/GAP
Start	9467	End	9752
GI	4714700	Score	471
Exons	9467..9752		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101383	Strand	+
Start	7918	End	10872
Name	OJ000204_17.0323.C8.o5.gp	Method	AAT/GAP
Start	9743	End	10173
GI	2801059	Score	729
Exons	9743..10173		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101383	Strand	+
Start	7918	End	10872
Name	OJ000204_17.0323.C8.o6.gp	Method	AAT/GAP
Start	10147	End	10872
GI	4714701	Score	1319
Exons	10147..10872		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101384	Strand	+
Start	24597	End	29561
Name	OJ000204_17.0323.C8.o8.gs	Method	GENSCAN
Start	24597	End	29561
GI	none	Score	.81
Exons	24597..24666, 28022..28110, 28212..28448, 28478..28660, 28782..28882, 28986..29038, 29131..29316, 29437..29561		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101384	Strand	+
Start	24597	End	29561
Name	OJ000204_17.0323.C8.o7.gp	Method	AAT/GAP

Start	25529	End	25870
GI	2309860	Score	666
Exons	25529..25870		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101384	Strand	+
Start	24597	End	29561
Name	OJ000204_17.0323.C8.o3.np	Method	AAT/NAP
Start	26967	End	29558
GI	4914371	Score	907
Exons	26967..27101, 27184..27263, 27528..27652, 27986..28110, 28212..28324, 28510..28660, 28782..28882, 28986..29038, 29131..29316, 29437..29558		
GI Descrip.	(AC007584) unknown protein [Arabidopsis thaliana]		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101385	Strand	+
Start	33376	End	33769
Name	OJ000204_17.0323.C8.o10.gs	Method	GENSCAN
Start	33376	End	33769
GI	none	Score	.46
Exons	33376..33614, 33661..33769		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101386	Strand	+
Start	34773	End	42862
Name	OJ000204_17.0323.C8.o4.np	Method	AAT/NAP
Start	34773	End	37043
GI	4914371	Score	193
Exons	34773..34801, 36663..36844, 36925..37043		
GI Descrip.	(AC007584) unknown protein [Arabidopsis thaliana]		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101386	Strand	+
Start	34773	End	42862
Name	OJ000204_17.0323.C8.o12.gs	Method	GENSCAN
Start	36640	End	42862
GI	none	Score	.5
Exons	36640..36841, 36960..37107, 37559..37670, 39954..40115, 42417..42447, 42750..42862		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101386	Strand	+
Start	34773	End	42862
Name	OJ000204_17.0323.C8.o6.np	Method	AAT/NAP
Start	39956	End	40166
GI	7106512	Score	160
Exons	39956..40166		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101386	Strand	+
Start	34773	End	42862
Name	OJ000204_17.0323.C8.o8.gp	Method	AAT/GAP
Start	41916	End	42325
GI	428102	Score	468

Exons	41916..42009, 42075..42325		
GI Descrip.	20254/emb|X13679|OSHIS3PS 5.0e-16 Oryza sativa H3 histone pseudogene H3R-12		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101387	Strand	-
Start	60	End	176
Name	OJ000204_17.0323.C8.o1.gs	Method	GENSCAN
Start	60	End	176
GI	none	Score	.58
Exons	60..176		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101388	Strand	-
Start	11337	End	14023
Name	OJ000204_17.0323.C8.o2.np	Method	AAT/NAP
Start	11337	End	14023
GI	6598332	Score	989
Exons	11337..11388, 12103..12227, 12318..12532, 13059..13102, 13219..13568, 13885..14023		
GI Descrip.	(AC002329) putative mitochondrial phosphate translocator protein [Arabidopsis thaliana]		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101389	Strand	-
Start	20105	End	20858
Name	OJ000204_17.0323.C8.o6.gs	Method	GENSCAN
Start	20105	End	20858
GI	none	Score	.96
Exons	20105..20127, 20774..20858		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101390	Strand	-
Start	22783	End	23848
Name	OJ000204_17.0323.C8.o7.gs	Method	GENSCAN
Start	22783	End	23848
GI	none	Score	.87
Exons	22783..22893, 23132..23407, 23548..23621, 23767..23848		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101391	Strand	-
Start	30745	End	31337
Name	OJ000204_17.0323.C8.o9.gs	Method	GENSCAN
Start	30745	End	31337
GI	none	Score	.68
Exons	30745..30759, 31248..31337		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o4.tm	Method	TBLASTX:Maize
Start	5357	End	7114
GI	none	Score	112
Exons	5357..5404, 6734..6841, 6737..6796, 6744..6842, 6745..6858, 6760..6855, 6942..7112, 6945..7112, 6947..7114		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8

Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o3.ts	Method	TBLASTX:Soybean
Start	6734	End	7143
GI	none	Score	68
Exons	6734..6850, 6745..6858, 6747..6854, 6945..7112, 6958..7143, 6960..7115		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o3.tc	Method	TBLASTX:Cress
Start	6744	End	7121
GI	none	Score	133
Exons	6744..6857, 6745..6858, 6945..6986, 6996..7121, 6996..7115		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o1.ts	Method	TBLASTX:Soybean
Start	8287	End	8781
GI	none	Score	600
Exons	8287..8463, 8290..8769, 8301..8510, 8544..8753, 8737..8781		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o2.tm	Method	TBLASTX:Maize
Start	8587	End	8988
GI	none	Score	325
Exons	8587..8820, 8589..8855, 8781..8951, 8814..8969, 8815..8988		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o9.ts	Method	TBLASTX:Soybean
Start	8896	End	9435
GI	none	Score	67
Exons	8896..8997, 9064..9126, 9205..9354, 9376..9435		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o4.tc	Method	TBLASTX:Cress
Start	9376	End	9828
GI	none	Score	54
Exons	9376..9426, 9493..9738, 9495..9740, 9787..9828		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o2.ts	Method	TBLASTX:Soybean
Start	9505	End	10110
GI	none	Score	190
Exons	9505..9696, 9534..9740, 9697..9828, 9801..9836, 9834..10109, 9886..10110		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o7.ts	Method	TBLASTX:Soybean
Start	10290	End	10569
GI	none	Score	153
Exons	10290..10412, 10291..10419, 10477..10569, 10480..10557		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o1.tc	Method	TBLASTX:Cress
Start	12102	End	13998
GI	none	Score	72
Exons	12102..12227, 12106..12228, 12318..12530, 12343..12528, 13060..13110, 13070..13096, 13218..13382, 13219..13392, 13381..13572, 13398..13571, 13882..13998		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o6.tm	Method	TBLASTX:Maize
Start	12102	End	13289
GI	none	Score	71
Exons	12102..12227, 12318..12530, 12343..12462, 13060..13098, 13218..13289		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o6.ts	Method	TBLASTX:Soybean
Start	12102	End	13356
GI	none	Score	58
Exons	12102..12227, 12103..12228, 12318..12530, 12337..12528, 13060..13098, 13218..13355, 13219..13356		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o1.tw	Method	TBLASTX:Wheat
Start	13072	End	13572
GI	none	Score	135
Exons	13072..13098, 13218..13382, 13219..13392, 13383..13571, 13384..13572		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o3.tm	Method	TBLASTX:Maize
Start	13290	End	13998
GI	none	Score	306
Exons	13290..13571, 13290..13571, 13291..13572, 13294..13572, 13882..13998, 13883..13990, 13945..13998		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378

Name	OJ000204_17.0323.C8.o4.ts	Method	TBLASTX:Soybean
Start	13356	End	13990
GI	none	Score	173
Exons	13356..13571, 13357..13572, 13882..13986, 13883..13990		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o8.ts	Method	TBLASTX:Soybean
Start	18663	End	19038
GI	none	Score	161
Exons	18663..18809, 18679..18810, 18849..18896, 18964..19038		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o5.tc	Method	TBLASTX:Cress
Start	18669	End	18896
GI	none	Score	118
Exons	18669..18809, 18679..18810, 18849..18896		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o5.tm	Method	TBLASTX:Maize
Start	18732	End	19062
GI	none	Score	132
Exons	18732..18896, 18736..18897, 18930..18968, 18940..19062, 19032..19061		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	27559	End	29027
GI	none	Score	164
Exons	27559..27660, 27561..27653, 27981..28109, 27982..28110, 27984..28109, 28015..28146, 28187..28306, 28197..28340, 28214..28303, 28216..28347, 28216..28353, 28344..28445, 28541..28585, 28585..28659, 28586..28663, 28589..28663, 28775..28882, 28782..28883, 28782..28880, 28808..28882, 28987..29025, 28989..29027		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o2.tc	Method	TBLASTX:Cress
Start	29130	End	37046
GI	none	Score	158
Exons	29130..29321, 29255..29320, 29436..29561, 29442..29546, 36667..36846, 36969..37046		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o5.ts	Method	TBLASTX:Soybean
Start	29163	End	37049

GI	none	Score	145
Exons	29163..29321, 29271..29327, 29415..29531, 29438..29563, 29439..29564, 36688..36846, 36975..37049		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o7.tm	Method	TBLASTX:Maize
Start	29435	End	37046
GI	none	Score	75
Exons	29435..29503, 29436..29561, 29436..29561, 29437..29562, 29512..29547, 36969..37046, 36975..37046		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o11.gs	Method	GENSCAN
Start	34494	End	36132
GI	none	Score	.59
Exons	34494..35301, 35321..36132		

Seq. No.	47644	Seq. ID	OJ000204_17.0323.C8
Gene No.	101392	Strand	-
Start	34494	End	38378
Name	OJ000204_17.0323.C8.o5.np	Method	AAT/NAP
Start	34574	End	38378
GI	6721547	Score	91
Exons	34574..34607, 38291..38378		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	47645	Seq. ID	OJ000204_17.0323.C9
Gene No.	101393	Strand	+
Start	339	End	1663
Name	OJ000204_17.0323.C9.o1.gs	Method	GENSCAN
Start	339	End	1663
GI	none	Score	.56
Exons	339..390, 1087..1199, 1529..1663		

Seq. No.	47645	Seq. ID	OJ000204_17.0323.C9
Gene No.	101393	Strand	+
Start	339	End	1663
Name	OJ000204_17.0323.C9.o1.gp	Method	AAT/GAP
Start	1068	End	1199
GI	3768943	Score	213
Exons	1068..1199		

Seq. No.	47645	Seq. ID	OJ000204_17.0323.C9
Gene No.	101394	Strand	-
Start	1921	End	3198
Name	OJ000204_17.0323.C9.o2.gs	Method	GENSCAN
Start	1921	End	3198
GI	none	Score	.78
Exons	1921..3198		

Seq. No.	47645	Seq. ID	OJ000204_17.0323.C9
Gene No.	101394	Strand	-
Start	1921	End	3198

Name	OJ000204_17.0323.C9.o1.tw	Method	TBLASTX:Wheat
Start	2536	End	2955
GI	none	Score	184
Exons	2536..2694, 2740..2955		

Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101395	Strand	+
Start	591	End	1372
Name	OJ000204_17.0323.C10.o1.np	Method	AAT/NAP
Start	591	End	1372
GI	6002794	Score	1238
Exons	591..1372		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101396	Strand	+
Start	1806	End	6381
Name	OJ000204_17.0323.C10.o2.np	Method	AAT/NAP
Start	1806	End	6381
GI	4680179	Score	4561
Exons	1806..2862, 2965..6381		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101397	Strand	+
Start	16478	End	16654
Name	OJ000204_17.0323.C10.o1.gp	Method	AAT/GAP
Start	16478	End	16654
GI	3768943	Score	306
Exons	16478..16654		

Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101398	Strand	-
Start	7651	End	15216
Name	OJ000204_17.0323.C10.o3.np	Method	AAT/NAP
Start	6543	End	8387
GI	6907086	Score	1192
Exons	6543..6883, 7035..7109, 7332..7562, 7623..8387		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101398	Strand	-
Start	7651	End	15216
Name	OJ000204_17.0323.C10.o2.gs	Method	GENSCAN
Start	7651	End	15030
GI	none	Score	.62
Exons	7651..8097, 9118..9444, 9919..9989, 10569..10980, 11569..12656, 13106..14003, 14331..14665, 14892..15030		

Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101398	Strand	-
Start	7651	End	15216
Name	OJ000204_17.0323.C10.o4.np	Method	AAT/NAP
Start	9094	End	10112
GI	4680186	Score	210
Exons	9094..9512, 10009..10112		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101398	Strand	-
Start	7651	End	15216
Name	OJ000204_17.0323.C10:o5.np	Method	AAT/NAP
Start	10285	End	15216
GI	4432866	Score	1507
Exons	10285..13565, 13730..14264, 15161..15216		
GI Descrip.	(AC006300) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o10.tw	Method	TBLASTX:Wheat
Start	2025	End	2402
GI	none	Score	262
Exons	2025..2402		

Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o7.tm	Method	TBLASTX:Maize
Start	2283	End	2684
GI	none	Score	236
Exons	2283..2684		

Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o9.tm	Method	TBLASTX:Maize
Start	2993	End	3317
GI	none	Score	206
Exons	2993..3106, 2994..3317		

Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o9.tw	Method	TBLASTX:Wheat
Start	2999	End	3398
GI	none	Score	156
Exons	2999..3154, 3000..3221, 3230..3349, 3234..3398		

Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o5.tw	Method	TBLASTX:Wheat
Start	3546	End	4027
GI	none	Score	75
Exons	3546..3632, 3575..4027, 3649..3999, 3659..4018		

Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o6.tm	Method	TBLASTX:Maize
Start	3558	End	3844
GI	none	Score	84

Exons	3558..3632, 3623..3844, 3658..3843		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o3.tm	Method	TBLASTX:Maize
Start	3914	End	4414
GI	none	Score	159
Exons	3914..4093, 4079..4414		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	3968	End	4363
GI	none	Score	56
Exons	3968..4000, 3968..4000, 3985..4080, 4004..4363, 4004..4312, 4120..4335		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o7.tw	Method	TBLASTX:Wheat
Start	4076	End	4372
GI	none	Score	369
Exons	4076..4372, 4076..4333, 4120..4335, 4155..4352		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o2.tw	Method	TBLASTX:Wheat
Start	4378	End	4804
GI	none	Score	601
Exons	4378..4767, 4379..4804, 4382..4789, 4440..4802		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o4.ts	Method	TBLASTX:Soybean
Start	4385	End	4630
GI	none	Score	208
Exons	4385..4630		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o2.tm	Method	TBLASTX:Maize
Start	4451	End	4814
GI	none	Score	469
Exons	4451..4804, 4453..4752, 4503..4814		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o3.tw	Method	TBLASTX:Wheat
Start	4847	End	5371
GI	none	Score	572

Exons	4847..5371, 4999..5367		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o1.tc	Method	TBLASTX:Cress
Start	5078	End	5395
GI	none	Score	101
Exons	5078..5251, 5099..5251, 5252..5395, 5254..5379		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o2.ts	Method	TBLASTX:Soybean
Start	5164	End	5419
GI	none	Score	294
Exons	5164..5418, 5171..5419		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o4.tm	Method	TBLASTX:Maize
Start	5217	End	5509
GI	none	Score	69
Exons	5217..5351, 5219..5509, 5230..5505		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o1.tw	Method	TBLASTX:Wheat
Start	5378	End	10917
GI	none	Score	663
Exons	5378..6004, 5434..5880, 10807..10917		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	5558	End	6154
GI	none	Score	221
Exons	5558..5710, 5561..5719, 5566..5712, 5715..5798, 5716..5898, 5716..5868, 5717..6154, 5879..5953, 5935..6144, 6056..6154		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o6.tw	Method	TBLASTX:Wheat
Start	6004	End	6337
GI	none	Score	379
Exons	6004..6285, 6005..6337, 6167..6316		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o10.tm	Method	TBLASTX:Maize
Start	6164	End	6322
GI	none	Score	193

Exons	6164..6322		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o5.tm	Method	TBLASTX:Maize
Start	10366	End	10738
GI	none	Score	86
Exons	10366..10698, 10375..10728, 10520..10738		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o3.ts	Method	TBLASTX:Soybean
Start	10384	End	10803
GI	none	Score	118
Exons	10384..10599, 10603..10803		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o8.tw	Method	TBLASTX:Wheat
Start	10411	End	10798
GI	none	Score	135
Exons	10411..10797, 10505..10798		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o4.tw	Method	TBLASTX:Wheat
Start	11083	End	11476
GI	none	Score	106
Exons	11083..11262, 11101..11262, 11108..11269, 11244..11339, 11257..11475, 11261..11476		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o8.tm	Method	TBLASTX:Maize
Start	11215	End	11721
GI	none	Score	57
Exons	11215..11331, 11359..11601, 11626..11721		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o11.tw	Method	TBLASTX:Wheat
Start	12574	End	12960
GI	none	Score	52
Exons	12574..12765, 12623..12781, 12769..12960, 12849..12902		
Seq. No.	47646	Seq. ID	OJ000204_17.0323.C10
Gene No.	101399	Strand	-
Start	16450	End	16551
Name	OJ000204_17.0323.C10.o3.gs	Method	GENSCAN
Start	16450	End	16551
GI	none	Score	.97

Exons	16450..16551		
Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101400	Strand	+
Start	1	End	3612
Name	OJ000204_17.0323.C11.o1.np	Method	AAT/NAP
Start	1	End	2510
GI	4914371	Score	799
Exons	1..48, 123..202, 538..662, 756..880, 958..1122, 1278..1376, 1457..1557, 1643..1695, 1768..1953, 2389..2510		
GI Descrip.	(AC007584) unknown protein [Arabidopsis thaliana]		
Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101400	Strand	+
Start	1	End	3612
Name	OJ000204_17.0323.C11.o1.gs	Method	GENSCAN
Start	164	End	3612
GI	none	Score	.78
Exons	164..202, 792..880, 958..1176, 1218..1376, 1457..1557, 1643..1695, 1768..1953, 3108..3368, 3488..3612		
Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101400	Strand	+
Start	1	End	3612
Name	OJ000204_17.0323.C11.o1.gp	Method	AAT/GAP
Start	728	End	1245
GI	uC-osflcyp099a10b1	Score	594
Exons	728..880, 958..1185, 1218..1245		
GI Descrip.	'4836897/gb|AAD30600.1|AC007369_10 1.0e-08 (AC007369) Hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101401	Strand	+
Start	6216	End	8131
Name	OJ000204_17.0323.C11.o2.gs	Method	GENSCAN
Start	6216	End	8131
GI	none	Score	.65
Exons	6216..7309, 8005..8131		
Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101401	Strand	+
Start	6216	End	8131
Name	OJ000204_17.0323.C11.o2.np	Method	AAT/NAP
Start	6297	End	7295
GI	6911845	Score	582
Exons	6297..7295		
GI Descrip.	(AL138649) sulfotransferase-like protein [Arabidopsis thaliana]		
Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101402	Strand	+
Start	11685	End	15086
Name	OJ000204_17.0323.C11.o3.np	Method	AAT/NAP
Start	11685	End	15086
GI	6598847	Score	189
Exons	11685..11768, 11841..11961, 12040..12171, 12940..13141, 13863..14018, 14395..14452, 14495..14533, 15059..15086		
GI Descrip.	(AC010795) putative DNA-directed RNA polymerase II largest		

subunit (RNA polymerase II subunit I) [Arabidopsis thaliana]

Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101402	Strand	+
Start	11685	End	15086
Name	OJ000204_17.0323.C11.o4.gs	Method	GENSCAN
Start	11685	End	14541
GI	none	Score	.78
Exons	11685..11768, 11841..11961, 12040..12164, 12878..13141, 13863..14018, 14395..14541		

Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101403	Strand	-
Start	8990	End	11022
Name	OJ000204_17.0323.C11.o1.ts	Method	TBLASTX:Soybean
Start	538	End	2513
GI	none	Score	135
Exons	538..663, 539..664, 749..823, 751..831, 827..883, 1475..1585, 1653..1697, 1767..1964, 1832..1957, 2388..2513		

Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101403	Strand	-
Start	8990	End	11022
Name	OJ000204_17.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	569	End	1684
GI	none	Score	162
Exons	569..664, 571..663, 749..883, 751..879, 752..880, 922..1080, 960..1004, 997..1158, 1027..1173, 1037..1060, 1253..1315, 1254..1307, 1310..1372, 1310..1375, 1311..1379, 1456..1557, 1456..1557, 1457..1558, 1644..1682, 1646..1684		

Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101403	Strand	-
Start	8990	End	11022
Name	OJ000204_17.0323.C11.o4.tm	Method	TBLASTX:Maize
Start	2382	End	2540
GI	none	Score	197
Exons	2382..2540, 2384..2512, 2388..2519		

Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101403	Strand	-
Start	8990	End	11022
Name	OJ000204_17.0323.C11.o1.tw	Method	TBLASTX:Wheat
Start	6372	End	6608
GI	none	Score	185
Exons	6372..6608, 6404..6607		

Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101403	Strand	-
Start	8990	End	11022
Name	OJ000204_17.0323.C11.o3.tm	Method	TBLASTX:Maize
Start	6389	End	6611
GI	none	Score	200
Exons	6389..6610, 6390..6611		

Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101403	Strand	-

Start	8990	End	11022
Name	OJ000204_17.0323.C11.o2.tm	Method	TBLASTX:Maize
Start	6707	End	6971
GI	none	Score	64
Exons	6707..6751, 6708..6752, 6761..6958, 6762..6971		

Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101403	Strand	-
Start	8990	End	11022
Name	OJ000204_17.0323.C11.o1.tc	Method	TBLASTX:Cress
Start	6870	End	7289
GI	none	Score	179
Exons	6870..7148, 7176..7289		

Seq. No.	47647	Seq. ID	OJ000204_17.0323.C11
Gene No.	101403	Strand	-
Start	8990	End	11022
Name	OJ000204_17.0323.C11.o3.gs	Method	GENSCAN
Start	8990	End	11022
GI	none	Score	.64
Exons	8990..9069, 9680..9731, 10636..11022		

Seq. No.	47648	Seq. ID	OJ000204_17.0323.C12
Gene No.	101404	Strand	-
Start	1	End	1091
Name	OJ000204_17.0323.C12.o1.np	Method	AAT/NAP
Start	1	End	1091
GI	6598847	Score	203
Exons	1..24, 295..413, 655..828, 924..1091		
GI Descrip.	(AC010795) putative DNA-directed RNA polymerase II largest subunit (RNA polymerase II subunit I) [Arabidopsis thaliana]		

Seq. No.	47648	Seq. ID	OJ000204_17.0323.C12
Gene No.	101404	Strand	-
Start	1	End	1091
Name	OJ000204_17.0323.C12.o1.gs	Method	GENSCAN
Start	659	End	1064
GI	none	Score	.4
Exons	659..828, 924..1064		

Seq. No.	47649	Seq. ID	OJ000214_17.0321.C1
Gene No.	101405	Strand	+
Start	298	End	1500
Name	OJ000214_17.0321.C1.o1.gs	Method	GENSCAN
Start	298	End	1500
GI	none	Score	.97
Exons	298..852, 1060..1500		

Seq. No.	47649	Seq. ID	OJ000214_17.0321.C1
Gene No.	101406	Strand	-
Start	3390	End	4442
Name	OJ000214_17.0321.C1.o2.gs	Method	GENSCAN
Start	3390	End	4442
GI	none	Score	1
Exons	3390..4442		

Seq. No.	47649	Seq. ID	OJ000214_17.0321.C1

Gene No.	101406	Strand	-
Start	3390	End	4442
Name	OJ000214_17.0321.C1.o1.np	Method	AAT/NAP
Start	3573	End	4421
GI	6911873	Score	545
Exons	3573..4421		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	47649	Seq. ID	OJ000214_17.0321.C1
Gene No.	101407	Strand	-
Start	4513	End	5326
Name	OJ000214_17.0321.C1.o2.ts	Method	TBLASTX:Soybean
Start	3573	End	3794
GI	none	Score	60
Exons	3573..3794, 3652..3771		

Seq. No.	47649	Seq. ID	OJ000214_17.0321.C1
Gene No.	101407	Strand	-
Start	4513	End	5326
Name	OJ000214_17.0321.C1.o1.tm	Method	TBLASTX:Maize
Start	3582	End	4277
GI	none	Score	74
Exons	3582..3845, 3585..3917, 3927..4106, 3934..4107, 4192..4245, 4194..4241, 4245..4277		

Seq. No.	47649	Seq. ID	OJ000214_17.0321.C1
Gene No.	101407	Strand	-
Start	4513	End	5326
Name	OJ000214_17.0321.C1.o1.tc	Method	TBLASTX:Cress
Start	3603	End	4277
GI	none	Score	64
Exons	3603..4097, 3627..3698, 3745..4092, 3786..3851, 4200..4277		

Seq. No.	47649	Seq. ID	OJ000214_17.0321.C1
Gene No.	101407	Strand	-
Start	4513	End	5326
Name	OJ000214_17.0321.C1.o1.ts	Method	TBLASTX:Soybean
Start	3807	End	4277
GI	none	Score	71
Exons	3807..4103, 3820..3960, 4009..4116, 4167..4277, 4177..4257		

Seq. No.	47649	Seq. ID	OJ000214_17.0321.C1
Gene No.	101407	Strand	-
Start	4513	End	5326
Name	OJ000214_17.0321.C1.o3.gs	Method	GENSCAN
Start	4513	End	5326
GI	none	Score	.9
Exons	4513..4640, 5092..5326		

Seq. No.	47650	Seq. ID	OJ000214_17.0321.C2
Gene No.	101408	Strand	+
Start	1	End	1969
Name	OJ000214_17.0321.C2.o1.np	Method	AAT/NAP
Start	1	End	669
GI	6907106	Score	396
Exons	1..426, 499..669		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	47650	Seq. ID	OJ000214_17.0321.C2
Gene No.	101408	Strand	+
Start	1	End	1969
Name	OJ000214_17.0321.C2.o1.gs	Method	GENSCAN
Start	48	End	1969
GI	none	Score	.51
Exons	48..146, 685..771, 1338..1477, 1495..1645, 1689..1713, 1719..1969		

Seq. No.	47650	Seq. ID	OJ000214_17.0321.C2
Gene No.	101409	Strand	-
Start	151	End	1050
Name	OJ000214_17.0321.C2.o1.gp	Method	AAT/GAP
Start	151	End	1050
GI	6547_1.R1084	Score	1316
Exons	151..883, 982..1050		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47650	Seq. ID	OJ000214_17.0321.C2
Gene No.	101410	Strand	-
Start	5456	End	6938
Name	OJ000214_17.0321.C2.o2.gs	Method	GENSCAN
Start	5456	End	6938
GI	none	Score	.7
Exons	5456..5514, 5918..6016, 6479..6938		

Seq. No.	47650	Seq. ID	OJ000214_17.0321.C2
Gene No.	101411	Strand	-
Start	7878	End	7962
Name	OJ000214_17.0321.C2.o1.tm	Method	TBLASTX:Maize
Start	225	End	572
GI	none	Score	171
Exons	225..323, 226..435, 227..430, 389..415, 436..471, 517..570, 528..572, 530..571		

Seq. No.	47650	Seq. ID	OJ000214_17.0321.C2
Gene No.	101411	Strand	-
Start	7878	End	7962
Name	OJ000214_17.0321.C2.o2.np	Method	AAT/NAP
Start	7878	End	7962
GI	6721547	Score	82
Exons	7878..7962		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101412	Strand	+
Start	2229	End	2989
Name	OJ000214_17.0321.C3.o1.gs	Method	GENSCAN
Start	2229	End	2989
GI	none	Score	.61
Exons	2229..2989		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-

Start	1027	End	4846
Name	OJ000214_17.0321.C3.o1.np	Method	AAT/NAP
Start	1027	End	4145
GI	6911873	Score	432
Exons	1027..1047, 2285..2835, 4083..4145		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-
Start	1027	End	4846
Name	OJ000214_17.0321.C3.o4.ts	Method	TBLASTX:Soybean
Start	2291	End	2512
GI	none	Score	202
Exons	2291..2512		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-
Start	1027	End	4846
Name	OJ000214_17.0321.C3.o1.tm	Method	TBLASTX:Maize
Start	2300	End	2825
GI	none	Score	86
Exons	2300..2563, 2303..2635, 2642..2743, 2645..2824, 2652..2825		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-
Start	1027	End	4846
Name	OJ000214_17.0321.C3.o1.tc	Method	TBLASTX:Cress
Start	2321	End	2815
GI	none	Score	64
Exons	2321..2815, 2345..2416, 2499..2810, 2504..2569		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-
Start	1027	End	4846
Name	OJ000214_17.0321.C3.o3.ts	Method	TBLASTX:Soybean
Start	2525	End	2834
GI	none	Score	71
Exons	2525..2821, 2538..2678, 2727..2834		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-
Start	1027	End	4846
Name	OJ000214_17.0321.C3.o2.gs	Method	GENSCAN
Start	3469	End	4740
GI	none	Score	.87
Exons	3469..4740		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-
Start	1027	End	4846
Name	OJ000214_17.0321.C3.o2.np	Method	AAT/NAP
Start	3472	End	4846
GI	4234854	Score	1864
Exons	3472..4846		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3

Gene No.	101413	Strand	-
Start	1027	End	4846
Name	OJ000214_17.0321.C3.o4.tm	Method	TBLASTX:Maize
Start	3511	End	3969
GI	none	Score	55
Exons	3511..3702, 3751..3927, 3910..3969		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-
Start	1027	End	4846
Name	OJ000214_17.0321.C3.o2.tw	Method	TBLASTX:Wheat
Start	3523	End	3926
GI	none	Score	118
Exons	3523..3918, 3689..3922, 3813..3926		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-
Start	1027	End	4846
Name	OJ000214_17.0321.C3.o2.ts	Method	TBLASTX:Soybean
Start	3526	End	4092
GI	none	Score	60
Exons	3526..3717, 3706..3897, 3800..3901, 3910..4092		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-
Start	1027	End	4846
Name	OJ000214_17.0321.C3.o2.tm	Method	TBLASTX:Maize
Start	3982	End	4413
GI	none	Score	126
Exons	3982..4278, 3983..4138, 4252..4413		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-
Start	1027	End	4846
Name	OJ000214_17.0321.C3.o1.tw	Method	TBLASTX:Wheat
Start	4078	End	4842
GI	none	Score	154
Exons	4078..4527, 4082..4528, 4504..4839, 4511..4840, 4513..4842		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-
Start	1027	End	4846
Name	OJ000214_17.0321.C3.o3.tm	Method	TBLASTX:Maize
Start	4414	End	4840
GI	none	Score	136
Exons	4414..4515, 4549..4839, 4550..4840		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-
Start	1027	End	4846
Name	OJ000214_17.0321.C3.o1.ts	Method	TBLASTX:Soybean
Start	4429	End	4821
GI	none	Score	117
Exons	4429..4461, 4474..4746, 4474..4821, 4538..4804		

Seq. No.	47651	Seq. ID	OJ000214_17.0321.C3
Gene No.	101413	Strand	-

Start	1027	End	4846
Name	OJ000214_17.0321.C3.o2.tc	Method	TBLASTX:Cress
Start	4639	End	4845
GI	none	Score	184
Exons	4639..4845		

Seq. No.	47652	Seq. ID	OJ000214_17.0321.C4
Gene No.	101414	Strand	-
Start	1	End	2166
Name	OJ000214_17.0321.C4.o1.np	Method	AAT/NAP
Start	1	End	2166
GI	7489738	Score	2078
Exons	1..1956, 1990..2166		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	47652	Seq. ID	OJ000214_17.0321.C4
Gene No.	101414	Strand	-
Start	1	End	2166
Name	OJ000214_17.0321.C4.o2.ts	Method	TBLASTX:Soybean
Start	22	End	408
GI	none	Score	77
Exons	22..195, 199..408, 227..406		

Seq. No.	47652	Seq. ID	OJ000214_17.0321.C4
Gene No.	101414	Strand	-
Start	1	End	2166
Name	OJ000214_17.0321.C4.o1.tw	Method	TBLASTX:Wheat
Start	25	End	687
GI	none	Score	35
Exons	25..123, 50..124, 103..408, 125..385, 448..687, 449..673		

Seq. No.	47652	Seq. ID	OJ000214_17.0321.C4
Gene No.	101414	Strand	-
Start	1	End	2166
Name	OJ000214_17.0321.C4.o1.tc	Method	TBLASTX:Cress
Start	28	End	408
GI	none	Score	123
Exons	28..195, 208..408		

Seq. No.	47652	Seq. ID	OJ000214_17.0321.C4
Gene No.	101414	Strand	-
Start	1	End	2166
Name	OJ000214_17.0321.C4.o2.tm	Method	TBLASTX:Maize
Start	214	End	672
GI	none	Score	80
Exons	214..399, 236..397, 448..672		

Seq. No.	47652	Seq. ID	OJ000214_17.0321.C4
Gene No.	101414	Strand	-
Start	1	End	2166
Name	OJ000214_17.0321.C4.o1.ts	Method	TBLASTX:Soybean
Start	463	End	849
GI	none	Score	122
Exons	463..849, 632..838		

Seq. No.	47652	Seq. ID	OJ000214_17.0321.C4
Gene No.	101414	Strand	-
Start	1	End	2166
Name	OJ000214_17.0321.C4.o2.tw	Method	TBLASTX:Wheat
Start	706	End	1143
GI	none	Score	51
Exons	706..876, 722..844, 946..1143		

Seq. No.	47652	Seq. ID	OJ000214_17.0321.C4
Gene No.	101414	Strand	-
Start	1	End	2166
Name	OJ000214_17.0321.C4.o1.tm	Method	TBLASTX:Maize
Start	1063	End	2074
GI	none	Score	50
Exons	1063..1128, 1169..1219, 1324..1455, 1343..1384, 1465..2073, 1496..2074		

Seq. No.	47653	Seq. ID	OJ000214_17.0321.C5
Gene No.	101415	Strand	+
Start	3173	End	3304
Name	OJ000214_17.0321.C5.o2.gs	Method	GENSCAN
Start	3173	End	3304
GI	none	Score	.99
Exons	3173..3304		

Seq. No.	47653	Seq. ID	OJ000214_17.0321.C5
Gene No.	101416	Strand	-
Start	255	End	554
Name	OJ000214_17.0321.C5.o1.gs	Method	GENSCAN
Start	255	End	554
GI	none	Score	.58
Exons	255..554		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o1.gs	Method	GENSCAN
Start	474	End	3142
GI	none	Score	.58
Exons	474..3142		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o1.np	Method	AAT/NAP
Start	474	End	3185
GI	4680203	Score	1655
Exons	474..2048, 2091..2183, 2337..2567, 2844..3050, 3124..3185		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o3.tw	Method	TBLASTX:Wheat
Start	828	End	1379
GI	none	Score	218
Exons	828..1226, 1067..1228, 1274..1369, 1275..1379		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o1.ts	Method	TBLASTX:Soybean
Start	1107	End	1526
GI	none	Score	126
Exons	1107..1226, 1108..1227, 1109..1228, 1277..1522, 1278..1526		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o1.tc	Method	TBLASTX:Cress
Start	1274	End	1604
GI	none	Score	312
Exons	1274..1411, 1275..1604, 1448..1507, 1458..1562, 1529..1603		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o2.tw	Method	TBLASTX:Wheat
Start	1392	End	1858
GI	none	Score	54
Exons	1392..1445, 1400..1435, 1446..1550, 1457..1543, 1542..1652, 1551..1667, 1555..1653, 1559..1729, 1670..1858, 1698..1853		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o1.tm	Method	TBLASTX:Maize
Start	1449	End	1892
GI	none	Score	229
Exons	1449..1694, 1499..1690, 1698..1892		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o2.ts	Method	TBLASTX:Soybean
Start	1727	End	1961
GI	none	Score	250
Exons	1727..1882, 1728..1961		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o4.tw	Method	TBLASTX:Wheat
Start	2100	End	2450
GI	none	Score	183
Exons	2100..2330, 2129..2329, 2366..2449, 2367..2450		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o3.tm	Method	TBLASTX:Maize
Start	2106	End	2321
GI	none	Score	166
Exons	2106..2252, 2135..2242, 2259..2321		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o2.tm	Method	TBLASTX:Maize
Start	2358	End	2843
GI	none	Score	299
Exons	2358..2843, 2375..2551, 2687..2836		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o1.gp	Method	AAT/GAP
Start	2439	End	3050
GI	5002953	Score	611
Exons	2439..2570, 2829..3050		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o1.tw	Method	TBLASTX:Wheat
Start	2454	End	2996
GI	none	Score	491
Exons	2454..2996, 2498..2944		

Seq. No.	47654	Seq. ID	OJ000214_17.0321.C6
Gene No.	101417	Strand	+
Start	474	End	3185
Name	OJ000214_17.0321.C6.o2.tc	Method	TBLASTX:Cress
Start	2741	End	3056
GI	none	Score	209
Exons	2741..2944, 2745..2996, 3015..3056		

Seq. No.	47655	Seq. ID	OJ000214_17.0321.C7
Gene No.	101418	Strand	+
Start	1	End	5577
Name	OJ000214_17.0321.C7.o1.np	Method	AAT/NAP
Start	1	End	249
GI	5042454	Score	81
Exons	1..59, 192..249		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47655	Seq. ID	OJ000214_17.0321.C7
Gene No.	101418	Strand	+
Start	1	End	5577
Name	OJ000214_17.0321.C7.o2.np	Method	AAT/NAP
Start	1	End	4568
GI	5042454	Score	4384
Exons	1..59, 298..412, 468..2180, 2813..3423, 4106..4278, 4515..4568		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47655	Seq. ID	OJ000214_17.0321.C7
Gene No.	101418	Strand	+
Start	1	End	5577
Name	OJ000214_17.0321.C7.o3.np	Method	AAT/NAP

Start	758	End	4568
GI	5042454	Score	3736
Exons	758..2180, 2813..3423, 4106..4278, 4515..4568		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47655	Seq. ID	OJ000214_17.0321.C7
Gene No.	101418	Strand	+
Start	1	End	5577
Name	OJ000214_17.0321.C7.o5.np	Method	AAT/NAP
Start	1387	End	5463
GI	4680203	Score	361
Exons	1387..1410, 4735..5463		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	47655	Seq. ID	OJ000214_17.0321.C7
Gene No.	101418	Strand	+
Start	1	End	5577
Name	OJ000214_17.0321.C7.o4.np	Method	AAT/NAP
Start	2001	End	4964
GI	6742729	Score	132
Exons	2001..2019, 4699..4964		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	47655	Seq. ID	OJ000214_17.0321.C7
Gene No.	101418	Strand	+
Start	1	End	5577
Name	OJ000214_17.0321.C7.o1.gp	Method	AAT/GAP
Start	4719	End	5577
GI	5002953	Score	639
Exons	4719..4916, 5396..5577		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	47655	Seq. ID	OJ000214_17.0321.C7
Gene No.	101419	Strand	+
Start	5997	End	6965
Name	OJ000214_17.0321.C7.o2.tw	Method	TBLASTX:Wheat
Start	1143	End	1535
GI	none	Score	58
Exons	1143..1190, 1197..1295, 1214..1294, 1262..1423, 1278..1535		

Seq. No.	47655	Seq. ID	OJ000214_17.0321.C7
Gene No.	101419	Strand	+
Start	5997	End	6965
Name	OJ000214_17.0321.C7.o1.tm	Method	TBLASTX:Maize
Start	1148	End	1433
GI	none	Score	193
Exons	1148..1432, 1185..1433		

Seq. No.	47655	Seq. ID	OJ000214_17.0321.C7
Gene No.	101419	Strand	+
Start	5997	End	6965
Name	OJ000214_17.0321.C7.o2.tm	Method	TBLASTX:Maize
Start	2038	End	2181
GI	none	Score	180
Exons	2038..2181, 2043..2177		

Seq. No.	47655	Seq. ID	OJ000214_17.0321.C7
Gene No.	101419	Strand	+
Start	5997	End	6965
Name	OJ000214_17.0321.C7.o1.tw	Method	TBLASTX:Wheat
Start	4699	End	5352
GI	none	Score	110
Exons	4699..4854; 4719..4850, 4858..5049, 4893..5033, 5038..5085, 5089..5130, 5092..5130, 5160..5231, 5161..5259, 5260..5352		

Seq. No.	47655	Seq. ID	OJ000214_17.0321.C7
Gene No.	101419	Strand	+
Start	5997	End	6965
Name	OJ000214_17.0321.C7.o6.np	Method	AAT/NAP
Start	5997	End	6965
GI	1911490	Score	195
Exons	5997..6654, 6940..6965		
GI Descrip.	(S80905) Con1=salivary concanavalin-A binding protein {exon 3} [human, peripheral blood leukocytes, subject "R.S.", Peptide Partial Mutant, 382 aa] [Homo sapiens]		

Seq. No.	47656	Seq. ID	OJ000214_17.0321.C8
Gene No.	101420	Strand	+
Start	2036	End	5369
Name	OJ000214_17.0321.C8.o1.gs	Method	GENSCAN
Start	2036	End	5253
GI	none	Score	.54
Exons	2036..2165, 2254..2924, 3065..3526, 3608..4440, 4523..4693, 4860..5031, 5137..5253		

Seq. No.	47656	Seq. ID	OJ000214_17.0321.C8
Gene No.	101420	Strand	+
Start	2036	End	5369
Name	OJ000214_17.0321.C8.o1.gp	Method	AAT/GAP
Start	4849	End	5369
GI	LIB3431-001-P1-N1-B5	Score	762
Exons	4849..5031, 5137..5369		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	47656	Seq. ID	OJ000214_17.0321.C8
Gene No.	101421	Strand	-
Start	5869	End	5974
Name	OJ000214_17.0321.C8.o2.gs	Method	GENSCAN
Start	5869	End	5974
GI	none	Score	.75
Exons	5869..5974		

Seq. No.	47657	Seq. ID	OJ000214_17.0321.C9
Gene No.	101422	Strand	+
Start	1	End	1467
Name	OJ000214_17.0321.C9.o1.np	Method	AAT/NAP
Start	1	End	1467
GI	6911873	Score	156
Exons	1..200, 1432..1467		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	47657	Seq. ID	OJ000214_17.0321.C9

Gene No.	101423	Strand	+
Start	4910	End	5965
Name	OJ000214_17.0321.C9.o2.gs	Method	GENSCAN
Start	4910	End	5965
GI	none	Score	.83
Exons	4910..5965		

Seq. No.	47657	Seq. ID	OJ000214_17.0321.C9
Gene No.	101424	Strand	+
Start	6042	End	10303
Name	OJ000214_17.0321.C9.o1.gp	Method	AAT/GAP
Start	6042	End	6289
GI	3761181	Score	450
Exons	6042..6289		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	47657	Seq. ID	OJ000214_17.0321.C9
Gene No.	101424	Strand	+
Start	6042	End	10303
Name	OJ000214_17.0321.C9.o2.np	Method	AAT/NAP
Start	6186	End	10303
GI	7106512	Score	1075
Exons	6186..6246, 6319..6981, 7242..7963, 8022..8127, 8320..8828, 8872..9137, 9568..9633, 9764..9967, 10279..10303		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47657	Seq. ID	OJ000214_17.0321.C9
Gene No.	101424	Strand	+
Start	6042	End	10303
Name	OJ000214_17.0321.C9.o4.gs	Method	GENSCAN
Start	7667	End	9185
GI	none	Score	.49
Exons	7667..7805, 8383..9185		

Seq. No.	47657	Seq. ID	OJ000214_17.0321.C9
Gene No.	101425	Strand	-
Start	6354	End	7285
Name	OJ000214_17.0321.C9.o3.gs	Method	GENSCAN
Start	6354	End	7285
GI	none	Score	.72
Exons	6354..6608, 6798..7068, 7125..7285		

Seq. No.	47657	Seq. ID	OJ000214_17.0321.C9
Gene No.	101426	Strand	-
Start	9380	End	9731
Name	OJ000214_17.0321.C9.o1.tm	Method	TBLASTX:Maize
Start	3	End	5767
GI	none	Score	170
Exons	3..191, 6..194, 5075..5107, 5107..5160, 5111..5158, 5245..5418, 5246..5425, 5327..5428, 5435..5767, 5507..5758		

Seq. No.	47657	Seq. ID	OJ000214_17.0321.C9
Gene No.	101426	Strand	-
Start	9380	End	9731
Name	OJ000214_17.0321.C9.o2.ts	Method	TBLASTX:Soybean

Start	3	End	5779
GI	none	Score	197
Exons	3..203, 5..124, 5558..5779		

Seq. No.	47657	Seq. ID	OJ000214_17.0321.C9
Gene No.	101426	Strand	-
Start	9380	End	9731
Name	OJ000214_17.0321.C9.o1.tc	Method	TBLASTX:Cress
Start	12	End	5749
GI	none	Score	110
Exons	12..173, 78..149, 5075..5152, 5255..5749, 5260..5571, 5654..5725		

Seq. No.	47657	Seq. ID	OJ000214_17.0321.C9
Gene No.	101426	Strand	-
Start	9380	End	9731
Name	OJ000214_17.0321.C9.o1.ts	Method	TBLASTX:Soybean
Start	5075	End	5545
GI	none	Score	140
Exons	5075..5185, 5095..5175, 5236..5343, 5249..5545, 5392..5532		

Seq. No.	47657	Seq. ID	OJ000214_17.0321.C9
Gene No.	101426	Strand	-
Start	9380	End	9731
Name	OJ000214_17.0321.C9.o5.gs	Method	GENSCAN
Start	9380	End	9731
GI	none	Score	.74
Exons	9380..9462, 9602..9731		

Seq. No.	47657	Seq. ID	OJ000214_17.0321.C9
Gene No.	101426	Strand	-
Start	9380	End	9731
Name	OJ000214_17.0321.C9.o3.np	Method	AAT/NAP
Start	9579	End	9731
GI	7106513	Score	262
Exons	9579..9731		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	47658	Seq. ID	OJ000214_17.0321.C10
Gene No.	101427	Strand	+
Start	1	End	821
Name	OJ000214_17.0321.C10.o1.np	Method	AAT/NAP
Start	1	End	821
GI	7248395	Score	949
Exons	1..660, 698..821		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	47658	Seq. ID	OJ000214_17.0321.C10
Gene No.	101427	Strand	+
Start	1	End	821
Name	OJ000214_17.0321.C10.o1.gs	Method	GENSCAN
Start	130	End	677
GI	none	Score	.68
Exons	130..175, 181..677		

Seq. No.	47659	Seq. ID	OJ000214_17.0321.C11
Gene No.	101428	Strand	+
Start	2249	End	5335

Name	OJ000214_17.0321.C11.o2.gp	Method	AAT/GAP
Start	2249	End	5335
GI	none	Score	1032
Exons	2249..2351, 4894..5335		

Seq. No.	47659	Seq. ID	OJ000214_17.0321.C11
Gene No.	101429	Strand	-
Start	1	End	67
Name	OJ000214_17.0321.C11.o1.gp	Method	AAT/GAP
Start	1	End	67
GI	2312838	Score	87
Exons	1..67		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	47659	Seq. ID	OJ000214_17.0321.C11
Gene No.	101430	Strand	-
Start	1032	End	5449
Name	OJ000214_17.0321.C11.o1.gs	Method	GENSCAN
Start	1032	End	5444
GI	none	Score	.42
Exons	1032..1198, 1204..1333, 1846..1938, 2374..2576, 3093..3359, 4090..4163, 4405..4529, 5418..5444		

Seq. No.	47659	Seq. ID	OJ000214_17.0321.C11
Gene No.	101430	Strand	-
Start	1032	End	5449
Name	OJ000214_17.0321.C11.o2.tm	Method	TBLASTX:Maize
Start	4891	End	5095
GI	none	Score	275
Exons	4891..5094, 4892..5092, 4892..5095, 4893..5093		

Seq. No.	47659	Seq. ID	OJ000214_17.0321.C11
Gene No.	101430	Strand	-
Start	1032	End	5449
Name	OJ000214_17.0321.C11.o1.tm	Method	TBLASTX:Maize
Start	5165	End	5449
GI	none	Score	49
Exons	5165..5203, 5167..5205, 5201..5449, 5203..5448, 5210..5449		

Seq. No.	47660	Seq. ID	OJ000214_17.0321.C12
Gene No.	101431	Strand	+
Start	146	End	706
Name	OJ000214_17.0321.C12.o1.np	Method	AAT/NAP
Start	146	End	706
GI	7106512	Score	635
Exons	146..706		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47660	Seq. ID	OJ000214_17.0321.C12
Gene No.	101431	Strand	+
Start	146	End	706
Name	OJ000214_17.0321.C12.o1.gs	Method	GENSCAN
Start	209	End	680
GI	none	Score	1
Exons	209..680		

Seq. No.	47661	Seq. ID	OJ000214_17.0321.C13
Gene No.	101432	Strand	-
Start	642	End	709
Name	OJ000214_17.0321.C13.o1.gp	Method	AAT/GAP
Start	642	End	709
GI	5816518	Score	118
Exons	642..709		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	47662	Seq. ID	OJ000214_17.0321.C16
Gene No.	101433	Strand	+
Start	3595	End	4224
Name	OJ000214_17.0321.C16.o2.gs	Method	GENSCAN
Start	3595	End	4224
GI	none	Score	.8
Exons	3595..3718, 4091..4224		

Seq. No.	47662	Seq. ID	OJ000214_17.0321.C16
Gene No.	101434	Strand	+
Start	7138	End	7386
Name	OJ000214_17.0321.C16.o4.gs	Method	GENSCAN
Start	7138	End	7386
GI	none	Score	.69
Exons	7138..7386		

Seq. No.	47662	Seq. ID	OJ000214_17.0321.C16
Gene No.	101435	Strand	-
Start	2333	End	2710
Name	OJ000214_17.0321.C16.o1.gs	Method	GENSCAN
Start	2333	End	2710
GI	none	Score	.61
Exons	2333..2710		

Seq. No.	47662	Seq. ID	OJ000214_17.0321.C16
Gene No.	101436	Strand	-
Start	4011	End	6658
Name	OJ000214_17.0321.C16.o1.np	Method	AAT/NAP
Start	4011	End	4928
GI	5803270	Score	393
Exons	4011..4108, 4597..4928		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	47662	Seq. ID	OJ000214_17.0321.C16
Gene No.	101436	Strand	-
Start	4011	End	6658
Name	OJ000214_17.0321.C16.o3.gs	Method	GENSCAN
Start	4760	End	6658
GI	none	Score	.57
Exons	4760..5177, 6612..6658		

Seq. No.	47662	Seq. ID	OJ000214_17.0321.C16
Gene No.	101437	Strand	-
Start	6865	End	8737
Name	OJ000214_17.0321.C16.o2.np	Method	AAT/NAP
Start	6865	End	8737

GI	5852093	Score	80
Exons	6865..6964, 8612..8737		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101438	Strand	+
Start	87	End	2968
Name	OJ000214_17.0321.C17.o1.gs	Method	GENSCAN
Start	87	End	2959
GI	none	Score	.78
Exons	87..801, 887..1083, 1599..1834, 2117..2959		

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101438	Strand	+
Start	87	End	2968
Name	OJ000214_17.0321.C17.o1.np	Method	AAT/NAP
Start	483	End	2466
GI	7485017	Score	738
Exons	483..801, 887..1087, 1603..1708, 1757..1834, 2117..2466		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244878|emb|CAB10299.1| (Z97338) p140mDia like protein [Arabidopsis thaliana] gi|7268266|emb|CAB78562.1| (AL161540) p140mDia like protein [Arabidopsis thaliana]		

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101438	Strand	+
Start	87	End	2968
Name	OJ000214_17.0321.C17.o2.np	Method	AAT/NAP
Start	2588	End	2968
GI	7485197	Score	272
Exons	2588..2968		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244877|emb|CAB10298.1| (Z97338) hypothetical protein [Arabidopsis thaliana] gi|7268265|emb|CAB78561.1| (AL161540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o4.np	Method	AAT/NAP
Start	1	End	10963
GI	4885183	Score	62
Exons	1..18, 5003..5169, 7228..7293, 7692..7789, 7981..8076, 8884..9029, 10909..10963		
GI Descrip.	diaphanous 1 gi|6225268|sp|O60610|DIA1_HUMAN DIAPHANOUS PROTEIN HOMOLOG 1 gi|2947238 (AF051782) diaphanous 1 [Homo sapiens]		

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o3.ts	Method	TBLASTX:Soybean
Start	644	End	1819
GI	none	Score	34
Exons	644..661, 649..684, 665..802, 682..801, 885..926, 886..945, 987..1097, 1592..1819, 1594..1818		

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17

Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o4.tm	Method	TBLASTX:Maize
Start	990	End	1852
GI	none	Score	105
Exons	990..1085, 998..1087, 1607..1852		

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o1.tc	Method	TBLASTX:Cress
Start	1697	End	2335
GI	none	Score	130
Exons	1697..1852, 2087..2335, 2119..2334		

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o3.tm	Method	TBLASTX:Maize
Start	2102	End	2269
GI	none	Score	236
Exons	2102..2269, 2102..2254, 2116..2268		

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o1.ts	Method	TBLASTX:Soybean
Start	2114	End	2587
GI	none	Score	354
Exons	2114..2374, 2116..2355, 2372..2587, 2446..2583		

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o2.tm	Method	TBLASTX:Maize
Start	2272	End	2653
GI	none	Score	133
Exons	2272..2364, 2273..2392, 2345..2653, 2446..2640		

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o1.gp	Method	AAT/GAP
Start	4272	End	5357
GI	7629_1.R1084	Score	1558
Exons	4272..4767, 5003..5357		
GI Descrip.	'2130105/pir||S53521 5.0e-30 histone H2A type 2 (clone wcH2A-4) - wheat >gi_536892_dbj_BAA07278_ (D38089) protein H2A [Triticum aestivum] >gi_536896_dbj_BAA07280_ (D38091) protein H2A [Triticum aestivum]'		

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o2.ts	Method	TBLASTX:Soybean
Start	4537	End	7824
GI	none	Score	109

Exons	4537..4770, 4595..4792, 4600..4764, 5003..5167, 5042..5119, 5064..5192, 7188..7409, 7195..7365, 7299..7409, 7722..7799, 7750..7824		
Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o2.gs	Method	GENSCAN
Start	4549	End	5191
GI	none	Score	.95
Exons	4549..4767, 5003..5191		
Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o1.tm	Method	TBLASTX:Maize
Start	4595	End	7824
GI	none	Score	222
Exons	4595..4768, 4600..4764, 5003..5191, 5042..5119, 5064..5192, 7153..7365, 7185..7409, 7299..7409, 7722..7799, 7743..7799, 7750..7824		
Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o2.tc	Method	TBLASTX:Cress
Start	4595	End	7824
GI	none	Score	169
Exons	4595..4768, 4600..4764, 5042..5119, 5064..5192, 7192..7365, 7200..7409, 7299..7409, 7722..7799, 7750..7824		
Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o1.tw	Method	TBLASTX:Wheat
Start	4645	End	7824
GI	none	Score	165
Exons	4645..4764, 4646..4768, 5003..5191, 5042..5119, 5088..5141, 7284..7409, 7285..7365, 7299..7409, 7722..7799, 7743..7799, 7750..7824		
Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o3.gs	Method	GENSCAN
Start	7188	End	9081
GI	none	Score	.93
Exons	7188..7406, 7683..7908, 8561..8590, 8828..8908, 8985..9081		
Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o3.np	Method	AAT/NAP
Start	7191	End	7871
GI	7439702	Score	629
Exons	7191..7406, 7683..7871		
GI Descrip.	histone H2A (clone TH254) - wheat gi|1154954|emb|CAA64356.1|		

(X94693) histone H2A [Triticum aestivum]

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o2.gp	Method	AAT/GAP
Start	7255	End	8023
GI	7629_3.R1084	Score	837
Exons	7255..7406, 7683..8023		
GI Descrip.	'1154954/emb|CAA64356| 5.0e-28 (X94693) histone H2A [Triticum aestivum]'		

Seq. No.	47663	Seq. ID	OJ000214_17.0321.C17
Gene No.	101439	Strand	-
Start	1	End	10963
Name	OJ000214_17.0321.C17.o3.gp	Method	AAT/GAP
Start	9346	End	9458
GI	none	Score	140
Exons	9346..9458		

Seq. No.	47664	Seq. ID	OJ000214_17.0321.C18
Gene No.	101440	Strand	-
Start	955	End	6310
Name	OJ000214_17.0321.C18.o1.gs	Method	GENSCAN
Start	955	End	6188
GI	none	Score	.46
Exons	955..1076, 2981..3242, 3477..3598, 3696..3861, 4544..4858, 5534..5624, 5953..6188		

Seq. No.	47664	Seq. ID	OJ000214_17.0321.C18
Gene No.	101440	Strand	-
Start	955	End	6310
Name	OJ000214_17.0321.C18.o1.np	Method	AAT/NAP
Start	3056	End	3798
GI	3831471	Score	350
Exons	3056..3242, 3399..3593, 3695..3798		
GI Descrip.	(AC005700) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47664	Seq. ID	OJ000214_17.0321.C18
Gene No.	101440	Strand	-
Start	955	End	6310
Name	OJ000214_17.0321.C18.o2.np	Method	AAT/NAP
Start	4305	End	6310
GI	2388583	Score	61
Exons	4305..4326, 4542..4591, 6047..6195, 6275..6310		
GI Descrip.	(AC000098) Similar to Synechocystis hypothetical protein (gb|D90908). [Arabidopsis thaliana]		

Seq. No.	47664	Seq. ID	OJ000214_17.0321.C18
Gene No.	101440	Strand	-
Start	955	End	6310
Name	OJ000214_17.0321.C18.o1.tw	Method	TBLASTX:Wheat
Start	6058	End	6200
GI	none	Score	167
Exons	6058..6195, 6058..6192, 6153..6200		

Seq. No.	47665	Seq. ID	OJ000214_17.0321.C19

Gene No.	101441	Strand	+
Start	775	End	2775
Name	OJ000214_17.0321.C19.o1.gs	Method	GENSCAN
Start	775	End	2751
GI	none	Score	.55
Exons	775..1328, 2337..2751		

Seq. No.	47665	Seq. ID	OJ000214_17.0321.C19
Gene No.	101441	Strand	+
Start	775	End	2775
Name	OJ000214_17.0321.C19.o1.np	Method	AAT/NAP
Start	1129	End	2775
GI	7486382	Score	619
Exons	1129..1328, 2337..2775		
GI Descrip.	hypothetical protein F3L17.30 - Arabidopsis thaliana gi|5262757|emb|CAB45905.1| (AL080283) putative protein [Arabidopsis thaliana] gi|7270049|emb|CAB79864.1| (AL161579) putative protein [Arabidopsis thaliana]		

Seq. No.	47665	Seq. ID	OJ000214_17.0321.C19
Gene No.	101442	Strand	-
Start	4542	End	5871
Name	OJ000214_17.0321.C19.o1.tm	Method	TBLASTX:Maize
Start	1125	End	2723
GI	none	Score	48
Exons	1125..1157, 1125..1328, 1126..1329, 1236..1349, 2334..2546, 2334..2609, 2335..2721, 2339..2707, 2622..2723		

Seq. No.	47665	Seq. ID	OJ000214_17.0321.C19
Gene No.	101442	Strand	-
Start	4542	End	5871
Name	OJ000214_17.0321.C19.o1.ts	Method	TBLASTX:Soybean
Start	1158	End	2529
GI	none	Score	166
Exons	1158..1328, 1159..1329, 2334..2528, 2334..2528, 2335..2529		

Seq. No.	47665	Seq. ID	OJ000214_17.0321.C19
Gene No.	101442	Strand	-
Start	4542	End	5871
Name	OJ000214_17.0321.C19.o1.gp	Method	AAT/GAP
Start	4409	End	5871
GI	1206_2.R1084	Score	1573
Exons	4409..4640, 5045..5339, 5563..5871		
GI Descrip.	'517500 6.0e-61 (M87435) precursor of the oxygen evolving complex 17 kDa protein [Zea mays] >gi_444338_prf__1906386A photosystem II OE17 protein [Pisum sativum]'		

Seq. No.	47665	Seq. ID	OJ000214_17.0321.C19
Gene No.	101442	Strand	-
Start	4542	End	5871
Name	OJ000214_17.0321.C19.o2.tm	Method	TBLASTX:Maize
Start	4418	End	5356
GI	none	Score	46
Exons	4418..4468, 4422..4466, 4480..4506, 4481..4519, 4542..4640, 4543..4638, 5046..5210, 5047..5124, 5048..5212, 5049..5126, 5138..5161, 5175..5210, 5212..5355, 5216..5356		

Seq. No.	47665	Seq. ID	OJ000214_17.0321.C19
Gene No.	101442	Strand	-
Start	4542	End	5871
Name	OJ000214_17.0321.C19.o1.tc	Method	TBLASTX:Cress
Start	4536	End	5343
GI	none	Score	64
Exons	4536..4640, 4543..4632, 5042..5212, 5049..5126, 5212..5343, 5273..5338		

Seq. No.	47665	Seq. ID	OJ000214_17.0321.C19
Gene No.	101442	Strand	-
Start	4542	End	5871
Name	OJ000214_17.0321.C19.o2.gs	Method	GENSCAN
Start	4542	End	5809
GI	none	Score	.83
Exons	4542..4640, 5045..5153, 5234..5339, 5563..5809		

Seq. No.	47665	Seq. ID	OJ000214_17.0321.C19
Gene No.	101442	Strand	-
Start	4542	End	5871
Name	OJ000214_17.0321.C19.o2.np	Method	AAT/NAP
Start	4545	End	5821
GI	7489799	Score	719
Exons	4545..4640, 5045..5339, 5563..5821		
GI Descrip.	photosystem II oxygen-evolving complex protein 3 precursor - maize gi|517500|gb|AAA20823.1| (M87435) precursor of the oxygen evolving complex 17 kDa protein [Zea mays] gi|444338|prf||1906386A photosystem II OE17 protein [Pisum sativum]		

Seq. No.	47665	Seq. ID	OJ000214_17.0321.C19
Gene No.	101442	Strand	-
Start	4542	End	5871
Name	OJ000214_17.0321.C19.o2.ts	Method	TBLASTX:Soybean
Start	4545	End	5341
GI	5510107	Score	82
Exons	4545..4640, 4546..4632, 4554..4643, 5042..5212, 5061..5213, 5215..5340, 5276..5341		
GI Descrip.	-		

Seq. No.	47665	Seq. ID	OJ000214_17.0321.C19
Gene No.	101442	Strand	-
Start	4542	End	5871
Name	OJ000214_17.0321.C19.o1.tw	Method	TBLASTX:Wheat
Start	5079	End	5825
GI	none	Score	37
Exons	5079..5210, 5096..5212, 5138..5158, 5175..5210, 5212..5343, 5273..5338, 5562..5579, 5564..5689, 5769..5825, 5771..5824		

Seq. No.	47666	Seq. ID	OJ000214_17.0321.C20
Gene No.	101443	Strand	+
Start	93	End	385
Name	OJ000214_17.0321.C20.o1.gs	Method	GENSCAN
Start	93	End	385
GI	none	Score	.57
Exons	93..385		

Seq. No.	47667	Seq. ID	OJ000214_13.0320.C3
Gene No.	101444	Strand	-
Start	1	End	2311
Name	OJ000214_13.0320.C3.o1.np	Method	AAT/NAP
Start	1	End	2311
GI	2209332	Score	616
Exons	1..360, 511..615, 693..766, 993..1053, 1261..1335, 1427..1537, 1959..2032, 2066..2311		
GI Descrip.	(U89272) chloroplast membrane protein ALBINO3 [Arabidopsis thaliana] gi|3927828|gb|AAC79585.1| (AC005727) chloroplast membrane protein (ALBINO3) [Arabidopsis thaliana]		

Seq. No.	47667	Seq. ID	OJ000214_13.0320.C3
Gene No.	101444	Strand	-
Start	1	End	2311
Name	OJ000214_13.0320.C3.o1.gp	Method	AAT/GAP
Start	457	End	2047
GI	uC-osroM202021b01b1	Score	871
Exons	457..615, 693..766, 993..1053, 1261..1335, 1427..1537, 1959..2047		
GI Descrip.	'2209332 6.0e-76 (U89272) chloroplast membrane protein ALBINO3 [Arabidopsis thaliana] >gi_3927828 (AC005727) chloroplast membrane protein ALBINO3 [Arabidopsis thaliana]'		

Seq. No.	47667	Seq. ID	OJ000214_13.0320.C3
Gene No.	101444	Strand	-
Start	1	End	2311
Name	OJ000214_13.0320.C3.o1.tc	Method	TBLASTX:Cress
Start	509	End	2024
GI	none	Score	151
Exons	509..616, 509..616, 510..617, 511..618, 511..627, 594..647, 637..768, 648..773, 693..776, 986..1057, 991..1053, 1259..1336, 1260..1331, 1261..1338, 1261..1335, 1412..1555, 1425..1532, 1956..2024		

Seq. No.	47667	Seq. ID	OJ000214_13.0320.C3
Gene No.	101444	Strand	-
Start	1	End	2311
Name	OJ000214_13.0320.C3.o2.ts	Method	TBLASTX:Soybean
Start	509	End	1050
GI	none	Score	149
Exons	509..616, 509..616, 510..617, 511..627, 648..773, 649..768, 991..1050		

Seq. No.	47667	Seq. ID	OJ000214_13.0320.C3
Gene No.	101444	Strand	-
Start	1	End	2311
Name	OJ000214_13.0320.C3.o1.tm	Method	TBLASTX:Maize
Start	509	End	1474
GI	none	Score	159
Exons	509..616, 509..616, 510..617, 511..618, 511..627, 648..773, 649..774, 692..808, 986..1054, 991..1053, 992..1054, 993..1070, 993..1055, 1261..1335, 1268..1336, 1412..1474, 1425..1472		

Seq. No.	47667	Seq. ID	OJ000214_13.0320.C3
Gene No.	101444	Strand	-
Start	1	End	2311

Name	OJ000214_13.0320.C3.o1.gs	Method	GENSCAN
Start	693	End	2252
GI	none	Score	.94
Exons	693..766, 993..1053, 1261..1335, 1427..1537, 1959..2252		

Seq. No.	47667	Seq. ID	OJ000214_13.0320.C3
Gene No.	101444	Strand	-
Start	1	End	2311
Name	OJ000214_13.0320.C3.o1.ts	Method	TBLASTX:Soybean
Start	1264	End	2024
GI	none	Score	79
Exons	1264..1335, 1268..1336, 1412..1555, 1425..1538, 1457..1555, 1956..2024		

Seq. No.	47667	Seq. ID	OJ000214_13.0320.C3
Gene No.	101444	Strand	-
Start	1	End	2311
Name	OJ000214_13.0320.C3.o2.gp	Method	AAT/GAP
Start	2108	End	2311
GI	none	Score	380
Exons	2108..2311		

Seq. No.	47668	Seq. ID	OJ000214_13.0320.C4
Gene No.	101445	Strand	-
Start	2029	End	3642
Name	OJ000214_13.0320.C4.o1.gs	Method	GENSCAN
Start	2029	End	3642
GI	none	Score	.49
Exons	2029..2683, 2831..2963, 2991..3642		

Seq. No.	47668	Seq. ID	OJ000214_13.0320.C4
Gene No.	101445	Strand	-
Start	2029	End	3642
Name	OJ000214_13.0320.C4.o1.ts	Method	TBLASTX:Soybean
Start	2029	End	3345
GI	none	Score	393
Exons	2029..2064, 2065..2634, 2066..2626, 2650..2688, 2671..3153, 2725..3135, 2753..3145, 3148..3264, 3149..3262, 3304..3345		

Seq. No.	47668	Seq. ID	OJ000214_13.0320.C4
Gene No.	101445	Strand	-
Start	2029	End	3642
Name	OJ000214_13.0320.C4.o1.np	Method	AAT/NAP
Start	2032	End	3636
GI	7485440	Score	1565
Exons	2032..3294, 3325..3485, 3561..3636		
GI Descrip.	hypothetical protein F13M22.7 - Arabidopsis thaliana gi|3236240|gb|AAC23628.1| (AC004684) unknown protein [Arabidopsis thaliana]		

Seq. No.	47668	Seq. ID	OJ000214_13.0320.C4
Gene No.	101445	Strand	-
Start	2029	End	3642
Name	OJ000214_13.0320.C4.o2.tm	Method	TBLASTX:Maize
Start	2062	End	2373
GI	none	Score	273
Exons	2062..2373, 2063..2371		

Seq. No.	47668	Seq. ID	OJ000214_13.0320.C4
Gene No.	101445	Strand	-
Start	2029	End	3642
Name	OJ000214_13.0320.C4.o2.tc	Method	TBLASTX:Cress
Start	2065	End	2457
GI	none	Score	53
Exons	2065..2109, 2066..2110, 2090..2452, 2101..2457, 2102..2446		

Seq. No.	47668	Seq. ID	OJ000214_13.0320.C4
Gene No.	101445	Strand	-
Start	2029	End	3642
Name	OJ000214_13.0320.C4.o1.tm	Method	TBLASTX:Maize
Start	2376	End	3401
GI	none	Score	66
Exons	2376..2432, 2377..2691, 2378..2677, 2472..2696, 2700..3296, 2702..3298, 2704..3333, 2753..3262, 3268..3387, 3271..3387, 3287..3400, 3288..3401		

Seq. No.	47668	Seq. ID	OJ000214_13.0320.C4
Gene No.	101445	Strand	-
Start	2029	End	3642
Name	OJ000214_13.0320.C4.o1.tw	Method	TBLASTX:Wheat
Start	2650	End	3055
GI	none	Score	99
Exons	2650..2679, 2703..3047, 2706..2723, 2715..2831, 2722..3051, 2722..3051, 2759..3055		

Seq. No.	47668	Seq. ID	OJ000214_13.0320.C4
Gene No.	101445	Strand	-
Start	2029	End	3642
Name	OJ000214_13.0320.C4.o1.tc	Method	TBLASTX:Cress
Start	2756	End	3369
GI	none	Score	52
Exons	2756..2809, 2761..2811, 2803..2889, 2813..2863, 2866..3150, 2867..3151, 3136..3267, 3137..3262, 3325..3369		

Seq. No.	47669	Seq. ID	OJ000214_13.0320.C5
Gene No.	101446	Strand	+
Start	729	End	2216
Name	OJ000214_13.0320.C5.o1.gs	Method	GENSCAN
Start	729	End	2216
GI	none	Score	.5
Exons	729..847, 1754..1832, 1937..1969, 2091..2216		

Seq. No.	47669	Seq. ID	OJ000214_13.0320.C5
Gene No.	101446	Strand	+
Start	729	End	2216
Name	OJ000214_13.0320.C5.o2.gp	Method	AAT/GAP
Start	1096	End	1175
GI	38012_1.R1084	Score	99
Exons	1096..1175		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	47669	Seq. ID	OJ000214_13.0320.C5
Gene No.	101447	Strand	-

Start	1	End	211
Name	OJ000214_13.0320.C5.o1.gp	Method	AAT/GAP
Start	1	End	211
GI	none	Score	393
Exons	1..211		

Seq. No.	47670	Seq. ID	OJ000214_13.0320.C6
Gene No.	101448	Strand	+
Start	1182	End	2881
Name	OJ000214_13.0320.C6.o1.gs	Method	GENSCAN
Start	1182	End	2881
GI	none	Score	.51
Exons	1182..1247, 1470..1585, 1712..1818, 1886..2030, 2782..2881		

Seq. No.	47670	Seq. ID	OJ000214_13.0320.C6
Gene No.	101449	Strand	+
Start	11414	End	15735
Name	OJ000214_13.0320.C6.o4.gs	Method	GENSCAN
Start	11414	End	15735
GI	none	Score	.63
Exons	11414..11849, 12141..12294, 14328..14368, 14908..14984, 15107..15176, 15626..15735		

Seq. No.	47670	Seq. ID	OJ000214_13.0320.C6
Gene No.	101450	Strand	-
Start	1	End	4650
Name	OJ000214_13.0320.C6.o1.np	Method	AAT/NAP
Start	1	End	4650
GI	6069646	Score	165
Exons	1..20, 815..886, 1440..1739, 4596..4650		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	47670	Seq. ID	OJ000214_13.0320.C6
Gene No.	101450	Strand	-
Start	1	End	4650
Name	OJ000214_13.0320.C6.o2.gs	Method	GENSCAN
Start	3224	End	3890
GI	none	Score	.45
Exons	3224..3334, 3457..3556, 3649..3890		

Seq. No.	47670	Seq. ID	OJ000214_13.0320.C6
Gene No.	101451	Strand	-
Start	5351	End	9324
Name	OJ000214_13.0320.C6.o3.gs	Method	GENSCAN
Start	5351	End	9324
GI	none	Score	.55
Exons	5351..5384, 6336..6462, 6529..7780, 8638..8749, 9254..9324		

Seq. No.	47670	Seq. ID	OJ000214_13.0320.C6
Gene No.	101452	Strand	-
Start	10731	End	15729
Name	OJ000214_13.0320.C6.o1.ts	Method	TBLASTX:Soybean
Start	419	End	15729

GI	none	Score	67
Exons	419..514, 643..726, 647..742, 845..919, 848..919, 5557..5616, 5967..6065, 5968..6066, 5976..6074, 14496..14630, 14502..14630, 14721..14804, 14725..14823, 14918..14992, 14919..14978, 15212..15271, 15612..15710, 15613..15729		

Seq. No.	47670	Seq. ID	OJ000214_13.0320.C6
Gene No.	101452	Strand	-
Start	10731	End	15729
Name	OJ000214_13.0320.C6.o2.tm	Method	TBLASTX:Maize
Start	419	End	15714
GI	none	Score	80
Exons	419..514, 629..724, 643..726, 647..736, 843..914, 845..919, 846..914, 5557..5616, 5967..6065, 5968..6066, 5976..6068, 8622..8750, 8635..8754, 8635..8745, 9242..9331, 9253..9330, 14502..14630, 14527..14628, 14529..14630, 14700..14804, 14702..14824, 14719..14832, 14722..14832, 14916..14987, 14918..14992, 14919..14987, 15212..15271, 15612..15710, 15613..15714, 15631..15714		

Seq. No.	47670	Seq. ID	OJ000214_13.0320.C6
Gene No.	101452	Strand	-
Start	10731	End	15729
Name	OJ000214_13.0320.C6.o1.tc	Method	TBLASTX:Cress
Start	626	End	15729
GI	none	Score	66
Exons	626..727, 643..726, 845..919, 5557..5616, 5967..6065, 5968..6066, 8635..8745, 9253..9327, 14502..14630, 14529..14630, 14704..14832, 14721..14804, 14918..14992, 15212..15271, 15612..15710, 15613..15729		

Seq. No.	47670	Seq. ID	OJ000214_13.0320.C6
Gene No.	101452	Strand	-
Start	10731	End	15729
Name	OJ000214_13.0320.C6.o1.tm	Method	TBLASTX:Maize
Start	1433	End	1905
GI	none	Score	96
Exons	1433..1486, 1494..1739, 1576..1737, 1767..1904, 1795..1905		

Seq. No.	47670	Seq. ID	OJ000214_13.0320.C6
Gene No.	101452	Strand	-
Start	10731	End	15729
Name	OJ000214_13.0320.C6.o3.tm	Method	TBLASTX:Maize
Start	2566	End	2829
GI	none	Score	77
Exons	2566..2667, 2665..2829, 2684..2812		

Seq. No.	47670	Seq. ID	OJ000214_13.0320.C6
Gene No.	101452	Strand	-
Start	10731	End	15729
Name	OJ000214_13.0320.C6.o4.np	Method	AAT/NAP
Start	10731	End	12726
GI	4680492	Score	102
Exons	10731..10930, 12603..12726		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	47671	Seq. ID	OJ000214_13.0320.C7

Gene No.	101453	Strand	-
Start	1056	End	1262
Name	OJ000214_13.0320.C7.o1.gs	Method	GENSCAN
Start	1056	End	1262
GI	none	Score	.64
Exons	1056..1262		

Seq. No.	47672	Seq. ID	OJ000214_13.0320.C8
Gene No.	101454	Strand	+
Start	9748	End	11637
Name	OJ000214_13.0320.C8.o4.np	Method	AAT/NAP
Start	9748	End	11637
GI	6983857	Score	1182
Exons	9748..9862, 9925..10496, 10664..11136, 11168..11228, 11297..11637		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	47672	Seq. ID	OJ000214_13.0320.C8
Gene No.	101455	Strand	-
Start	58	End	2254
Name	OJ000214_13.0320.C8.o1.gs	Method	GENSCAN
Start	58	End	2254
GI	none	Score	.63
Exons	58..169, 305..369, 1551..1698, 1920..2008, 2192..2254		

Seq. No.	47672	Seq. ID	OJ000214_13.0320.C8
Gene No.	101456	Strand	-
Start	3676	End	14099
Name	OJ000214_13.0320.C8.o1.tm	Method	TBLASTX:Maize
Start	54	End	13977
GI	none	Score	68
Exons	54..176, 55..198, 55..165, 59..169, 292..369, 304..354, 12611..12715, 12614..12715, 12782..12916, 12799..12879, 12803..12886, 12804..12887, 13007..13078, 13008..13082, 13010..13078, 13027..13083, 13875..13973, 13876..13974, 13884..13976, 13894..13977		

Seq. No.	47672	Seq. ID	OJ000214_13.0320.C8
Gene No.	101456	Strand	-
Start	3676	End	14099
Name	OJ000214_13.0320.C8.o1.np	Method	AAT/NAP
Start	3676	End	8861
GI	5295955	Score	928
Exons	3676..4237, 4277..4327, 4407..4704, 4793..4932, 5613..5727, 6270..6409, 7547..7653, 8832..8861		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	47672	Seq. ID	OJ000214_13.0320.C8
Gene No.	101456	Strand	-
Start	3676	End	14099
Name	OJ000214_13.0320.C8.o3.np	Method	AAT/NAP
Start	7414	End	14099
GI	5777623	Score	1301
Exons	7414..7467, 9001..9229, 10018..10616, 10770..10866, 11118..11290, 14052..14099		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	47673	Seq. ID	OJ000214_13.0320.C9
Gene No.	101457	Strand	+
Start	578	End	7543
Name	OJ000214_13.0320.C9.o1.gs	Method	GENSCAN
Start	578	End	7543
GI	none	Score	.81
Exons	578..655, 6821..7543		

Seq. No.	47673	Seq. ID	OJ000214_13.0320.C9
Gene No.	101457	Strand	+
Start	578	End	7543
Name	OJ000214_13.0320.C9.o1.gp	Method	AAT/GAP
Start	1384	End	1783
GI	none	Score	478
Exons	1384..1403, 1524..1783		

Seq. No.	47673	Seq. ID	OJ000214_13.0320.C9
Gene No.	101457	Strand	+
Start	578	End	7543
Name	OJ000214_13.0320.C9.o2.gp	Method	AAT/GAP
Start	4444	End	4672
GI	3767777	Score	287
Exons	4444..4672		

Seq. No.	47673	Seq. ID	OJ000214_13.0320.C9
Gene No.	101458	Strand	+
Start	10705	End	11155
Name	OJ000214_13.0320.C9.o3.gs	Method	GENSCAN
Start	10705	End	11155
GI	none	Score	.53
Exons	10705..10776, 10782..10928, 10997..11155		

Seq. No.	47673	Seq. ID	OJ000214_13.0320.C9
Gene No.	101459	Strand	-
Start	3291	End	3377
Name	OJ000214_13.0320.C9.o1.np	Method	AAT/NAP
Start	3291	End	3377
GI	5852084	Score	92
Exons	3291..3377		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	47673	Seq. ID	OJ000214_13.0320.C9
Gene No.	101460	Strand	-
Start	11344	End	11678
Name	OJ000214_13.0320.C9.o3.gp	Method	AAT/GAP
Start	11344	End	11678
GI	1007_1.R1084	Score	544
Exons	11344..11678		
GI Descrip.	'2497903/sp|P94029|MT21_ORYSA 2.0e-17 METALLOTHIONEIN-LIKE PROTEIN TYPE 2 >gi_1752831_dbj_BAA14038.1_ (D89931) metallothionein-like protein [Oryza sativa] >gi_1815628 (U43530) metallothionein-like type 2 [Oryza sativa]'		

Seq. No.	47674	Seq. ID	OJ000214_13.0320.C10
Gene No.	101461	Strand	+
Start	552	End	1435

Name	OJ000214_13.0320.C10.o1.gs	Method	GENSCAN
Start	552	End	1435
GI	none	Score	.52
Exons	552..757, 839..1098, 1160..1435		

Seq. No.	47674	Seq. ID	OJ000214_13.0320.C10
Gene No.	101462	Strand	-
Start	432	End	1320
Name	OJ000214_13.0320.C10.o1.np	Method	AAT/NAP
Start	432	End	763
GI	2497903	Score	78
Exons	432..513, 691..763		
GI Descrip.	METALLOTHIONEIN-LIKE PROTEIN TYPE 2 gi|7441820|pir||T03727 metallothionein-like protein - rice gi|1752831|dbj|BAA14038.1| (D89931) metallothionein-like protein [Oryza sativa] gi|1815628|gb|AAC49627.1| (U43530) metallothionein-like type 2 [Oryza sativa]		

Seq. No.	47674	Seq. ID	OJ000214_13.0320.C10
Gene No.	101462	Strand	-
Start	432	End	1320
Name	OJ000214_13.0320.C10.o1.tm	Method	TBLASTX:Maize
Start	600	End	1049
GI	none	Score	316
Exons	600..1049		

Seq. No.	47674	Seq. ID	OJ000214_13.0320.C10
Gene No.	101462	Strand	-
Start	432	End	1320
Name	OJ000214_13.0320.C10.o1.ts	Method	TBLASTX:Soybean
Start	672	End	1212
GI	none	Score	170
Exons	672..998, 1084..1212		

Seq. No.	47674	Seq. ID	OJ000214_13.0320.C10
Gene No.	101462	Strand	-
Start	432	End	1320
Name	OJ000214_13.0320.C10.o1.tw	Method	TBLASTX:Wheat
Start	693	End	1134
GI	none	Score	196
Exons	693..995, 803..961, 1057..1134		

Seq. No.	47674	Seq. ID	OJ000214_13.0320.C10
Gene No.	101462	Strand	-
Start	432	End	1320
Name	OJ000214_13.0320.C10.o2.tm	Method	TBLASTX:Maize
Start	1050	End	1320
GI	none	Score	184
Exons	1050..1175, 1051..1320		

Seq. No.	47675	Seq. ID	OJ000214_13.0320.C11
Gene No.	101463	Strand	+
Start	1	End	448
Name	OJ000214_13.0320.C11.o1.np	Method	AAT/NAP
Start	1	End	448
GI	6069646	Score	168
Exons	1..448		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	47675	Seq. ID	OJ000214_13.0320.C11
Gene No.	101464	Strand	-
Start	1196	End	1386
Name	OJ000214_13.0320.C11.o1.tm	Method	TBLASTX:Maize
Start	3	End	423
GI	none	Score	154
Exons	3..149, 217..423		

Seq. No.	47675	Seq. ID	OJ000214_13.0320.C11
Gene No.	101464	Strand	-
Start	1196	End	1386
Name	OJ000214_13.0320.C11.o1.gp	Method	AAT/GAP
Start	1196	End	1386
GI	1007_1.R1084	Score	258
Exons	1196..1386		

GI Descrip. '2497903/sp|P94029|MT21_ORYSA 2.0e-17 METALLOTHIONEIN-LIKE PROTEIN TYPE 2 >gi_1752831_dbj_BAA14038.1_ (D89931) metallothionein-like protein [Oryza sativa] >gi_1815628 (U43530) metallothionein-like type 2 [Oryza sativa]'

Seq. No.	47676	Seq. ID	OJ000214_13.0320.C12
Gene No.	101465	Strand	+
Start	4212	End	4886
Name	OJ000214_13.0320.C12.o1.gp	Method	AAT/GAP
Start	4117	End	4886
GI	705_3.R1084	Score	1476
Exons	4117..4886		

GI Descrip. '1362184/pir||S56685 4.0e-44 histone H2B-8 - wheat >gi_531058_dbj_BAA07157_ (D37943) protein H2B-8 [Triticum aestivum]'

Seq. No.	47676	Seq. ID	OJ000214_13.0320.C12
Gene No.	101465	Strand	+
Start	4212	End	4886
Name	OJ000214_13.0320.C12.o2.gs	Method	GENSCAN
Start	4212	End	4673
GI	none	Score	1
Exons	4212..4673		

Seq. No.	47676	Seq. ID	OJ000214_13.0320.C12
Gene No.	101465	Strand	+
Start	4212	End	4886
Name	OJ000214_13.0320.C12.o2.np	Method	AAT/NAP
Start	4212	End	4670
GI	3913804	Score	684
Exons	4212..4670		

GI Descrip. HISTONE H2B.3 gi|577825|emb|CAA49584| (X69960) H2B histone [Zea mays]

Seq. No.	47676	Seq. ID	OJ000214_13.0320.C12
Gene No.	101466	Strand	-

Start	112	End	4039
Name	OJ000214_13.0320.C12.o1.gs	Method	GENSCAN
Start	112	End	4039
GI	none	Score	.72
Exons	112..709, 934..1108, 1195..2709, 3723..4039		

Seq. No.	47676	Seq. ID	OJ000214_13.0320.C12
Gene No.	101466	Strand	-
Start	112	End	4039
Name	OJ000214_13.0320.C12.o1.np	Method	AAT/NAP
Start	1557	End	2069
GI	6649087	Score	832
Exons	1557..2069		
GI Descrip.	(AF146270) resistance gene analog PIC23 [Oryza sativa]		

Seq. No.	47676	Seq. ID	OJ000214_13.0320.C12
Gene No.	101467	Strand	-
Start	6518	End	6751
Name	OJ000214_13.0320.C12.o3.gs	Method	GENSCAN
Start	6518	End	6751
GI	none	Score	.73
Exons	6518..6751		

Seq. No.	47676	Seq. ID	OJ000214_13.0320.C12
Gene No.	101468	Strand	-
Start	7063	End	7617
Name	OJ000214_13.0320.C12.o2.tm	Method	TBLASTX:Maize
Start	1236	End	2054
GI	none	Score	81
Exons	1236..1508, 1237..1413, 1506..1541, 1533..1634, 1542..1610, 1543..1620, 1830..2054		

Seq. No.	47676	Seq. ID	OJ000214_13.0320.C12
Gene No.	101468	Strand	-
Start	7063	End	7617
Name	OJ000214_13.0320.C12.o1.tc	Method	TBLASTX:Cress
Start	4397	End	4685
GI	none	Score	435
Exons	4397..4663, 4398..4685		

Seq. No.	47676	Seq. ID	OJ000214_13.0320.C12
Gene No.	101468	Strand	-
Start	7063	End	7617
Name	OJ000214_13.0320.C12.o1.tm	Method	TBLASTX:Maize
Start	4397	End	4696
GI	none	Score	450
Exons	4397..4696, 4398..4691		

Seq. No.	47676	Seq. ID	OJ000214_13.0320.C12
Gene No.	101468	Strand	-
Start	7063	End	7617
Name	OJ000214_13.0320.C12.o1.tw	Method	TBLASTX:Wheat
Start	4397	End	4667
GI	none	Score	159
Exons	4397..4666, 4397..4537, 4398..4502, 4398..4667		

Seq. No.	47676	Seq. ID	OJ000214_13.0320.C12

Gene No.	101468	Strand	-
Start	7063	End	7617
Name	OJ000214_13.0320.C12.o1.ts	Method	TBLASTX:Soybean
Start	4397	End	4697
GI	none	Score	429
Exons	4397..4663, 4398..4697		

Seq. No.	47676	Seq. ID	OJ000214_13.0320.C12
Gene No.	101468	Strand	-
Start	7063	End	7617
Name	OJ000214_13.0320.C12.o3.np	Method	AAT/NAP
Start	7063	End	7617
GI	7228450	Score	214
Exons	7063..7175, 7265..7403, 7538..7617		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	47677	Seq. ID	OJ000214_13.0320.C13
Gene No.	101469	Strand	-
Start	1	End	447
Name	OJ000214_13.0320.C13.o1.gp	Method	AAT/GAP
Start	1	End	447
GI	none	Score	539
Exons	1..32, 131..447		

Seq. No.	47677	Seq. ID	OJ000214_13.0320.C13
Gene No.	101470	Strand	-
Start	1838	End	3196
Name	OJ000214_13.0320.C13.o1.gs	Method	GENSCAN
Start	1838	End	3171
GI	none	Score	.81
Exons	1838..2468, 2555..3171		

Seq. No.	47677	Seq. ID	OJ000214_13.0320.C13
Gene No.	101470	Strand	-
Start	1838	End	3196
Name	OJ000214_13.0320.C13.o1.np	Method	AAT/NAP
Start	2785	End	3196
GI	7489509	Score	187
Exons	2785..3196		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792238|gb|AAB96994.1| (AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	47677	Seq. ID	OJ000214_13.0320.C13
Gene No.	101470	Strand	-
Start	1838	End	3196
Name	OJ000214_13.0320.C13.o1.tm	Method	TBLASTX:Maize
Start	2833	End	3141
GI	none	Score	66
Exons	2833..3132, 2837..3022, 3046..3141		

Seq. No.	47678	Seq. ID	OJ000214_13.0320.C14
Gene No.	101471	Strand	-
Start	42	End	1580
Name	OJ000214_13.0320.C14.o1.gs	Method	GENSCAN
Start	42	End	1580
GI	none	Score	.42

Exons	42..325, 861..952, 1564..1580		
Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101472	Strand	+
Start	1	End	636
Name	OJ000214_13.0320.C15.o1.gp	Method	AAT/GAP
Start	1	End	636
GI	705_3.R1084	Score	1124
Exons	1..413, 447..636		
GI Descrip.	'1362184/pir||S56685 4.0e-44 histone H2B-8 - wheat >gi_531058_dbj_BAA07157_ (D37943) protein H2B-8 [Triticum aestivum]'		
Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101472	Strand	+
Start	1	End	636
Name	OJ000214_13.0320.C15.o1.np	Method	AAT/NAP
Start	1	End	387
GI	3913804	Score	571
Exons	1..387		
GI Descrip.	HISTONE H2B.3 gi|577825|emb|CAA49584| (X69960) H2B histone [Zea mays]		
Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101472	Strand	+
Start	1	End	636
Name	OJ000214_13.0320.C15.o1.gs	Method	GENSCAN
Start	58	End	390
GI	none	Score	.96
Exons	58..390		
Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101473	Strand	+
Start	5611	End	5935
Name	OJ000214_13.0320.C15.o3.gs	Method	GENSCAN
Start	5611	End	5935
GI	none	Score	.5
Exons	5611..5615, 5815..5935		
Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101474	Strand	-
Start	1755	End	5357
Name	OJ000214_13.0320.C15.o2.np	Method	AAT/NAP
Start	1755	End	5357
GI	2130082	Score	1811
Exons	1755..2159, 2322..3266, 3339..5049, 5316..5357		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		
Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o1.tc	Method	TBLASTX:Cress
Start	3	End	402

GI	none	Score	435
Exons	3..38, 114..380, 115..402		

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o1.ts	Method	TBLASTX:Soybean
Start	3	End	390
GI	none	Score	56
Exons	3..38, 3..38, 114..380, 115..390		

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o2.tm	Method	TBLASTX:Maize
Start	3	End	393
GI	none	Score	66
Exons	3..47, 3..47, 114..392, 115..393, 340..393		

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o1.tw	Method	TBLASTX:Wheat
Start	6	End	384
GI	none	Score	47
Exons	6..47, 15..47, 18..47, 114..383, 114..254, 115..219, 115..384		

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o4.tm	Method	TBLASTX:Maize
Start	1795	End	2161
GI	none	Score	89
Exons	1795..2160, 1985..2161		

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o2.ts	Method	TBLASTX:Soybean
Start	1978	End	2913
GI	none	Score	90
Exons	1978..2160, 2054..2161, 2401..2559, 2417..2557, 2608..2811, 2609..2812, 2833..2913, 2840..2887		

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o2.tc	Method	TBLASTX:Cress
Start	2062	End	4919
GI	none	Score	156
Exons	2062..2160, 2401..2556, 3121..3594, 3190..3594, 3196..3594, 3196..3594, 3196..3594, 3196..3534, 3196..3594, 3196..3597, 3199..3594, 3269..3589, 3271..3597, 3341..3496, 3379..3597, 3460..3600, 3467..3496, 3598..3864, 3598..3720, 3601..3870, 3604..3864, 3604..3864, 3604..3864, 3604..3861, 3604..3825, 3604..3873, 3610..3723, 3619..3864, 3623..3715, 3632..3865, 3634..3873, 3704..3859, 3844..3993, 3844..3981, 3853..3972,		

3865..3975, 3865..3972, 3865..3972, 3871..3975, 3917..4039,
3919..4062, 3943..4074, 4084..4275, 4155..4262, 4155..4289,
4282..4317, 4287..4577, 4287..4559, 4293..4577, 4293..4424,
4296..4595, 4305..4595, 4305..4577, 4383..4559, 4386..4595,
4437..4553, 4581..4613, 4581..4616, 4584..4613, 4596..4781,
4596..4853, 4608..4862, 4608..4853, 4620..4868, 4620..4862,
4620..4853, 4620..4853, 4636..4773, 4685..4702, 4722..4850,
4732..4860, 4732..4839, 4797..4868, 4801..4839, 4878..4919

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o1.tm	Method	TBLASTX:Maize
Start	2333	End	2778
GI	none	Score	158
Exons	2333..2557, 2377..2760, 2401..2778, 2604..2762, 2612..2776		

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o3.tc	Method	TBLASTX:Cress
Start	2599	End	2913
GI	none	Score	116
Exons	2599..2913, 2618..2866		

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o3.ts	Method	TBLASTX:Soybean
Start	3128	End	4868
GI	none	Score	45
Exons	3128..3181, 3148..3267, 3190..3597, 3190..3594, 3196..3594, 3196..3315, 3199..3405, 3269..3505, 3334..3438, 3415..3594, 3598..3720, 3601..3870, 3601..3864, 3604..3864, 3604..3822, 3632..3859, 3634..3873, 3853..3972, 3865..3969, 3865..3969, 3943..4062, 3983..4021, 4023..4049, 4108..4206, 4155..4289, 4155..4253, 4293..4577, 4296..4595, 4296..4568, 4383..4577, 4386..4580, 4386..4568, 4449..4520, 4581..4616, 4581..4613, 4596..4868, 4608..4856, 4608..4670, 4620..4862, 4636..4767, 4680..4853, 4801..4836		

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o3.tm	Method	TBLASTX:Maize
Start	3190	End	4868
GI	none	Score	73
Exons	3190..3597, 3190..3594, 3196..3594, 3197..3388, 3217..3594, 3361..3597, 3595..3864, 3598..3864, 3598..3813, 3604..3864, 3604..3861, 3610..3720, 3610..3666, 3632..3715, 3632..3868, 3649..3873, 3844..3975, 3871..3969, 3973..4074, 4155..4289, 4155..4253, 4287..4559, 4296..4568, 4386..4595, 4470..4577, 4581..4616, 4608..4838, 4620..4868, 4620..4862, 4620..4853, 4636..4761, 4692..4850, 4744..4830, 4801..4839		

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-

Start	6330	End	8440
Name	OJ000214_13.0320.C15.o2.tw	Method	TBLASTX:Wheat
Start	3196	End	4796
GI	none	Score	65
Exons	3196..3315, 3394..3480, 3403..3699, 3404..3571, 3676..3864, 3721..3858, 3721..3873, 3743..3862, 3793..3876, 3863..4069, 3863..4078, 3865..4089, 3865..3969, 3904..4092, 3943..4074, 4386..4631, 4608..4796, 4666..4755		

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o2.gp	Method	AAT/GAP
Start	6330	End	8233
GI	1007_1.R1084	Score	1290
Exons	6330..6761, 7373..7450, 8035..8233		
GI Descrip.	'2497903/sp|P94029|MT21_ORYSA 2.0e-17 METALLOTHIONEIN-LIKE PROTEIN TYPE 2 >gi_1752831_dbj_BAA14038.1_ (D89931) metallothionein-like protein [Oryza sativa] >gi_1815628 (U43530) metallothionein-like type 2 [Oryza sativa]'		

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o4.gs	Method	GENSCAN
Start	6656	End	8440
GI	none	Score	.74
Exons	6656..6761, 7373..7450, 8035..8197, 8335..8440		

Seq. No.	47679	Seq. ID	OJ000214_13.0320.C15
Gene No.	101475	Strand	-
Start	6330	End	8440
Name	OJ000214_13.0320.C15.o3.np	Method	AAT/NAP
Start	6659	End	8099
GI	2497903	Score	423
Exons	6659..6761, 7373..7450, 8035..8099		
GI Descrip.	METALLOTHIONEIN-LIKE PROTEIN TYPE 2 gi|7441820|pir||T03727 metallothionein-like protein - rice gi|1752831|dbj|BAA14038.1| (D89931) metallothionein-like protein [Oryza sativa] gi|1815628|gb|AAC49627.1| (U43530) metallothionein-like type 2 [Oryza sativa]		

Seq. No.	47680	Seq. ID	OJ000214_13.0320.C16
Gene No.	101476	Strand	-
Start	265	End	1248
Name	OJ000214_13.0320.C16.o1.gs	Method	GENSCAN
Start	265	End	1248
GI	none	Score	.96
Exons	265..1248		

Seq. No.	47680	Seq. ID	OJ000214_13.0320.C16
Gene No.	101476	Strand	-
Start	265	End	1248
Name	OJ000214_13.0320.C16.o1.gp	Method	AAT/GAP
Start	301	End	625
GI	428253	Score	635
Exons	301..625		

Seq. No.	47681	Seq. ID	OJ000214_13.0320.C17
Gene No.	101477	Strand	+
Start	529	End	700
Name	OJ000214_13.0320.C17.o1.gs	Method	GENSCAN
Start	529	End	670
GI	none	Score	.58
Exons	529..670		

Seq. No.	47681	Seq. ID	OJ000214_13.0320.C17
Gene No.	101477	Strand	+
Start	529	End	700
Name	OJ000214_13.0320.C17.o1.tm	Method	TBLASTX:Maize
Start	531	End	700
GI	none	Score	146
Exons	531..671, 531..665, 532..669,	533..697,	680..700

Seq. No.	47682	Seq. ID	OJ000214_13.0320.C18
Gene No.	101478	Strand	+
Start	384	End	904
Name	OJ000214_13.0320.C18.o1.gs	Method	GENSCAN
Start	384	End	904
GI	none	Score	.52
Exons	384..419, 839..904		

Seq. No.	47683	Seq. ID	OJ000214_13.0320.C19
Gene No.	101479	Strand	-
Start	243	End	1334
Name	OJ000214_13.0320.C19.o1.gs	Method	GENSCAN
Start	243	End	1334
GI	none	Score	.54
Exons	243..441, 619..696, 1002..1027,	1284..1334	

Seq. No.	47684	Seq. ID	OJ000214_13.0320.C20
Gene No.	101480	Strand	-
Start	1456	End	2905
Name	OJ000214_13.0320.C20.o1.np	Method	AAT/NAP
Start	1456	End	2905
GI	6650693	Score	150
Exons	1456..1537, 1675..1771, 1870..1951, 2078..2187, 2783..2905		
GI Descrip.	(AF114494) putative tyrosine phosphatase [Homo sapiens]		

Seq. No.	47684	Seq. ID	OJ000214_13.0320.C20
Gene No.	101480	Strand	-
Start	1456	End	2905
Name	OJ000214_13.0320.C20.o1.tm	Method	TBLASTX:Maize
Start	1670	End	2889
GI	none	Score	119
Exons	1670..1774, 1673..1774, 1864..1953, 1868..1972, 1871..1981, 2075..2146, 2076..2150, 2078..2146, 2095..2181, 2394..2453, 2773..2883, 2783..2887, 2784..2888, 2785..2889		

Seq. No.	47684	Seq. ID	OJ000214_13.0320.C20
Gene No.	101480	Strand	-
Start	1456	End	2905
Name	OJ000214_13.0320.C20.o1.ts	Method	TBLASTX:Soybean
Start	1670	End	2905

GI	none	Score	91
Exons	1670..1774, 1672..1779, 1673..1774, 1864..1953, 1874..1972, 2075..2146, 2078..2137, 2095..2181, 2394..2453, 2789..2887, 2790..2888, 2790..2888, 2798..2905		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101481	Strand	+
Start	12009	End	16060
Name	OJ000214_13.0320.C21.o3.gp	Method	AAT/GAP
Start	11888	End	15715
GI	1742_1.R1084	Score	2462
Exons	11888..12077, 12292..12331, 14520..15274, 15361..15715		
GI Descrip.	'2144098/pir||I56573 4.0e-40 SC2 - rat >gi_256994_bbs_115268 (S45663) SC2=synaptic glycoprotein [rats, brain, Peptide, 308 aa] [Rattus sp.]'		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101481	Strand	+
Start	12009	End	16060
Name	OJ000214_13.0320.C21.o2.gs	Method	GENSCAN
Start	12009	End	16060
GI	none	Score	.42
Exons	12009..12077, 12292..12331, 14520..15200, 15361..15425, 15917..16060		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101481	Strand	+
Start	12009	End	16060
Name	OJ000214_13.0320.C21.o2.np	Method	AAT/NAP
Start	12009	End	15426
GI	7076779	Score	1303
Exons	12009..12077, 12292..12331, 14520..15274, 15361..15426		
GI Descrip.	(AL132975) glycoprotein-like [Arabidopsis thaliana]		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101482	Strand	-
Start	406	End	10885
Name	OJ000214_13.0320.C21.o1.gs	Method	GENSCAN
Start	406	End	10885
GI	none	Score	.67
Exons	406..517, 559..687, 1653..1797, 2688..2784, 2889..2970, 3074..3144, 3295..3348, 4968..5079, 5171..5297, 5482..5730, 6302..6480, 7010..7097, 7293..7338, 7437..7513, 7600..7655, 8197..8336, 8447..8505, 8607..8682, 9531..9662, 9769..10068, 10820..10885		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101482	Strand	-
Start	406	End	10885
Name	OJ000214_13.0320.C21.o1.gp	Method	AAT/GAP
Start	2266	End	4999
GI	4151_1.R1084	Score	1249
Exons	2266..2567, 2688..2784, 2889..2970, 3074..3144, 3295..3348, 3738..3826, 4968..4999		
GI Descrip.	'2384956 2.0e-30 (AF022985) No definition line found [Caenorhabditis elegans]'		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101482	Strand	-
Start	406	End	10885
Name	OJ000214_13.0320.C21.o2.gp	Method	AAT/GAP
Start	5918	End	7348
GI	16788_1.R1084	Score	1339
Exons	5918..6300, 6393..6480, 6575..6642, 7000..7132, 7293..7348		
GI Descrip.	'3355484 2.0e-40 (AC004218) putative geranylgeranyl transferase type I beta subunit [Arabidopsis thaliana]'		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101482	Strand	-
Start	406	End	10885
Name	OJ000214_13.0320.C21.o1.np	Method	AAT/NAP
Start	6150	End	10011
GI	7484977	Score	846
Exons	6150..6300, 6393..6480, 6575..6642, 7000..7124, 7293..7338, 7437..7513, 7600..7655, 8197..8336, 8447..8505, 8607..8682, 9769..10011		
GI Descrip.	geranylgeranyl-diphosphate geranylgeranyltransferase I beta chain homolog F12L6.21 - Arabidopsis thaliana gi|3355484|gb|AAC27846.1| (AC004218) putative geranylgeranyl transferase type I beta subunit [Arabidopsis thaliana]		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101483	Strand	-
Start	16646	End	16768
Name	OJ000214_13.0320.C21.o1.tw	Method	TBLASTX:Wheat
Start	403	End	5226
GI	none	Score	53
Exons	403..516, 407..490, 606..683, 609..647, 3723..3827, 3738..3824, 3739..3834, 3739..3828, 4965..5099, 4965..5078, 5170..5226, 5171..5224		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101483	Strand	-
Start	16646	End	16768
Name	OJ000214_13.0320.C21.o2.tc	Method	TBLASTX:Cress
Start	403	End	5244
GI	none	Score	91
Exons	403..516, 588..683, 2530..2574, 2680..2790, 2681..2779, 2686..2787, 2875..2973, 2877..2972, 3073..3144, 3074..3172, 3292..3351, 3716..3826, 3729..3827, 3730..3828, 3738..3830, 4965..5078, 5170..5244		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101483	Strand	-
Start	16646	End	16768
Name	OJ000214_13.0320.C21.o2.tm	Method	TBLASTX:Maize
Start	403	End	5244
GI	none	Score	105
Exons	403..522, 403..516, 407..526, 606..683, 609..659, 610..684, 2483..2575, 2484..2570, 2530..2574, 2680..2790, 2681..2785, 2692..2790, 2730..2804, 2869..2973, 2883..2972, 3073..3144, 3074..3190, 3292..3351, 3295..3354, 3729..3827, 3730..3828, 3738..3857, 3742..3828, 4965..5099, 4965..5078, 5170..5244, 5171..5242		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101483	Strand	-
Start	16646	End	16768
Name	OJ000214_13.0320.C21.o2.ts	Method	TBLASTX:Soybean
Start	2495	End	3836
GI	none	Score	47
Exons	2495..2575, 2530..2574, 2659..2790, 2681..2776, 2883..2972, 2893..2973, 3073..3144, 3074..3145, 3292..3351, 3716..3823, 3723..3827, 3730..3834, 3738..3836, 3742..3834		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101483	Strand	-
Start	16646	End	16768
Name	OJ000214_13.0320.C21.o1.tm	Method	TBLASTX:Maize
Start	12287	End	15438
GI	none	Score	541
Exons	12287..12352, 14519..15274, 14520..15272, 14522..15274, 15112..15276, 15360..15437, 15370..15438		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101483	Strand	-
Start	16646	End	16768
Name	OJ000214_13.0320.C21.o1.tc	Method	TBLASTX:Cress
Start	14510	End	14827
GI	none	Score	391
Exons	14510..14605, 14518..14820, 14522..14818, 14642..14827		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101483	Strand	-
Start	16646	End	16768
Name	OJ000214_13.0320.C21.o4.ts	Method	TBLASTX:Soybean
Start	14525	End	14746
GI	none	Score	267
Exons	14525..14746, 14533..14619, 14635..14745		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101483	Strand	-
Start	16646	End	16768
Name	OJ000214_13.0320.C21.o1.ts	Method	TBLASTX:Soybean
Start	14843	End	15109
GI	none	Score	447
Exons	14843..15109, 14845..15066, 14858..15103		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101483	Strand	-
Start	16646	End	16768
Name	OJ000214_13.0320.C21.o3.tc	Method	TBLASTX:Cress
Start	15041	End	15429
GI	none	Score	46
Exons	15041..15094, 15077..15178, 15112..15177, 15175..15273, 15182..15274, 15363..15395, 15370..15402, 15394..15429, 15400..15429		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101483	Strand	-
Start	16646	End	16768

Name	OJ000214_13.0320.C21.o3.ts	Method	TBLASTX:Soybean
Start	15109	End	15304
GI	none	Score	275
Exons	15109..15273, 15110..15304, 15110..15292		

Seq. No.	47685	Seq. ID	OJ000214_13.0320.C21
Gene No.	101483	Strand	-
Start	16646	End	16768
Name	OJ000214_13.0320.C21.o3.gs	Method	GENSCAN
Start	16646	End	16768
GI	none	Score	.49
Exons	16646..16768		

Seq. No.	47686	Seq. ID	OJ000214_13.0320.C22
Gene No.	101484	Strand	-
Start	381	End	564
Name	OJ000214_13.0320.C22.o1.gs	Method	GENSCAN
Start	381	End	564
GI	none	Score	.81
Exons	381..564		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101485	Strand	+
Start	516	End	16999
Name	OJ000204_12.0323.C1.o1.gp	Method	AAT/GAP
Start	516	End	4261
GI	3760640	Score	794
Exons	516..566, 3883..4261		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101485	Strand	+
Start	516	End	16999
Name	OJ000204_12.0323.C1.o1.gs	Method	GENSCAN
Start	1616	End	3979
GI	none	Score	.9
Exons	1616..1689, 3883..3979		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101485	Strand	+
Start	516	End	16999
Name	OJ000204_12.0323.C1.o2.np	Method	AAT/NAP
Start	3709	End	16870
GI	7299061	Score	77
Exons	3709..3792, 11973..12076, 12223..12286, 16721..16870		
GI Descrip.	(AE003679) CG9748 gene product [Drosophila melanogaster]		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101485	Strand	+
Start	516	End	16999
Name	OJ000204_12.0323.C1.o3.gs	Method	GENSCAN
Start	11739	End	13094
GI	none	Score	.53
Exons	11739..12166, 12508..12643, 12854..12885, 12950..13094		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1

Gene No.	101485	Strand	+
Start	516	End	16999
Name	OJ000204_12.0323.C1.o3.gp	Method	AAT/GAP
Start	16492	End	16742
GI	428570	Score	491
Exons	16492..16742		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101485	Strand	+
Start	516	End	16999
Name	OJ000204_12.0323.C1.o4.gs	Method	GENSCAN
Start	16604	End	16999
GI	none	Score	.85
Exons	16604..16999		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101486	Strand	-
Start	5193	End	11026
Name	OJ000204_12.0323.C1.o2.gs	Method	GENSCAN
Start	5193	End	10952
GI	none	Score	.92
Exons	5193..5257, 7563..7584, 7784..7965, 9377..9460, 10557..10798, 10897..10952		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101486	Strand	-
Start	5193	End	11026
Name	OJ000204_12.0323.C1.o2.gp	Method	AAT/GAP
Start	7493	End	7973
GI	79598_1.R1084	Score	579
Exons	7493..7584, 7732..7973		
GI Descrip.	'5669638/gb|AAD46404.1|AF096248_1 1.0e-30 (AF096248) ethylene-responsive RNA helicase [Lycopersicon esculentum]'		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101486	Strand	-
Start	5193	End	11026
Name	OJ000204_12.0323.C1.o1.np	Method	AAT/NAP
Start	7538	End	10952
GI	5669638	Score	1631
Exons	7538..7591, 7733..7965, 8040..8266, 8353..8401, 8569..8624, 8935..9089, 9299..9460, 9559..9738, 10557..10798, 10897..10952		
GI Descrip.	(AF096248) ethylene-responsive RNA helicase [Lycopersicon esculentum]		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101486	Strand	-
Start	5193	End	11026
Name	OJ000204_12.0323.C1.o1.tc	Method	TBLASTX:Cress
Start	7730	End	8408
GI	none	Score	100
Exons	7730..7966, 7731..7820, 7736..7837, 7890..7931, 7892..7966, 8032..8268, 8035..8265, 8045..8269, 8069..8269, 8352..8408		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101486	Strand	-
Start	5193	End	11026

Name	OJ000204_12.0323.C1.o1.ts	Method	TBLASTX:Soybean
Start	7730	End	8606
GI	none	Score	132
Exons	7730..7966, 7731..7820, 7733..7837, 7895..7966, 7903..7968, 8032..8250, 8032..8268, 8042..8272, 8352..8441, 8353..8439, 8526..8606, 8527..8604		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101486	Strand	-
Start	5193	End	11026
Name	OJ000204_12.0323.C1.o1.tm	Method	TBLASTX:Maize
Start	7838	End	9356
GI	none	Score	158
Exons	7838..7966, 8032..8268, 8042..8209, 8056..8253, 8358..8441, 8359..8439, 8526..8630, 8533..8628, 8932..9060, 8942..9058, 9061..9090, 9062..9091, 9318..9356		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101486	Strand	-
Start	5193	End	11026
Name	OJ000204_12.0323.C1.o2.tc	Method	TBLASTX:Cress
Start	8526	End	9733
GI	none	Score	86
Exons	8526..8630, 8932..9099, 8942..9091, 9294..9449, 9298..9450, 9578..9733, 9594..9725		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101486	Strand	-
Start	5193	End	11026
Name	OJ000204_12.0323.C1.o2.tm	Method	TBLASTX:Maize
Start	9293	End	11026
GI	none	Score	129
Exons	9293..9457, 9297..9521, 9297..9467, 9560..9739, 9561..9746, 9561..9746, 10541..10615, 10549..10776, 10550..10699, 10897..10953, 10899..10952, 11000..11026		

Seq. No.	47687	Seq. ID	OJ000204_12.0323.C1
Gene No.	101486	Strand	-
Start	5193	End	11026
Name	OJ000204_12.0323.C1.o2.ts	Method	TBLASTX:Soybean
Start	9334	End	10952
GI	none	Score	133
Exons	9334..9429, 9336..9428, 9423..9458, 9424..9459, 9554..9739, 9556..9675, 9560..9739, 9561..9746, 10549..10722, 10550..10699, 10899..10952		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101487	Strand	+
Start	2207	End	3025
Name	OJ000204_12.0323.C2.o2.gs	Method	GENSCAN
Start	2207	End	2787
GI	none	Score	.95
Exons	2207..2296, 2439..2537, 2629..2787		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101487	Strand	+
Start	2207	End	3025

Name	OJ000204_12.0323.C2.o1.gp	Method	AAT/GAP
Start	2513	End	3025
GI	80325_1.R1084	Score	754
Exons	2513..2537, 2629..3025		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101488	Strand	+
Start	8835	End	10003
Name	OJ000204_12.0323.C2.o4.gs	Method	GENSCAN
Start	8835	End	10003
GI	none	Score	.69
Exons	8835..8896, 9721..10003		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101489	Strand	-
Start	246	End	448
Name	OJ000204_12.0323.C2.o1.gs	Method	GENSCAN
Start	246	End	448
GI	none	Score	.88
Exons	246..271, 350..448		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101490	Strand	-
Start	1938	End	8157
Name	OJ000204_12.0323.C2.o1.np	Method	AAT/NAP
Start	1938	End	5053
GI	4263522	Score	674
Exons	1938..1985, 3329..4403, 4530..4809, 4921..5053		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101490	Strand	-
Start	1938	End	8157
Name	OJ000204_12.0323.C2.o3.gs	Method	GENSCAN
Start	3245	End	8157
GI	none	Score	.59
Exons	3245..3557, 3605..5113, 5990..6149, 6252..6373, 7832..8157		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101490	Strand	-
Start	1938	End	8157
Name	OJ000204_12.0323.C2.o2.np	Method	AAT/NAP
Start	5903	End	8061
GI	6714327	Score	485
Exons	5903..6149, 6252..6380, 6477..6591, 6963..7083, 7832..8061		
GI Descrip.	(AC016972) unknown protein [Arabidopsis thaliana]		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101491	Strand	-
Start	10395	End	10698
Name	OJ000204_12.0323.C2.o5.gs	Method	GENSCAN
Start	10395	End	10698
GI	none	Score	.48
Exons	10395..10555, 10614..10698		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101492	Strand	-
Start	12889	End	17577
Name	OJ000204_12.0323.C2.o6.gs	Method	GENSCAN
Start	12889	End	16827
GI	none	Score	.47
Exons	12889..13207, 13658..13923, 16372..16827		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101492	Strand	-
Start	12889	End	17577
Name	OJ000204_12.0323.C2.o3.np	Method	AAT/NAP
Start	12904	End	17577
GI	3882018	Score	1164
Exons	12904..13207, 13658..13923, 16372..16524, 16561..16838, 16930..17577		
GI Descrip.	(Y18377) cytokinin oxidase [Zea mays]		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101493	Strand	-
Start	19907	End	22373
Name	OJ000204_12.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	3311	End	3798
GI	none	Score	78
Exons	3311..3604, 3321..3458, 3607..3798		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101493	Strand	-
Start	19907	End	22373
Name	OJ000204_12.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	3332	End	4419
GI	none	Score	151
Exons	3332..3598, 3616..4110, 3665..3982, 3784..4155, 3788..4156, 3820..4206, 4009..4209, 4057..4251, 4091..4222, 4123..4209, 4209..4226, 4222..4419		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101493	Strand	-
Start	19907	End	22373
Name	OJ000204_12.0323.C2.o1.tc	Method	TBLASTX:Cress
Start	3533	End	4221
GI	none	Score	93
Exons	3533..3604, 3619..4197, 3757..3909, 4069..4221		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101493	Strand	-
Start	19907	End	22373
Name	OJ000204_12.0323.C2.o1.tw	Method	TBLASTX:Wheat
Start	3676	End	4620
GI	none	Score	80
Exons	3676..3975, 3676..4149, 3677..4150, 4036..4206, 4228..4392, 4459..4566, 4483..4620		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101493	Strand	-
Start	19907	End	22373
Name	OJ000204_12.0323.C2.o3.ts	Method	TBLASTX:Soybean

Start	3838	End	4206
GI	none	Score	124
Exons	3838..4008, 3991..4206		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101493	Strand	-
Start	19907	End	22373
Name	OJ000204_12.0323.C2.o4.tc	Method	TBLASTX:Cress
Start	5981	End	6381
GI	none	Score	95
Exons	5981..6166, 5989..6165, 6250..6378, 6251..6331, 6253..6381		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101493	Strand	-
Start	19907	End	22373
Name	OJ000204_12.0323.C2.o3.tm	Method	TBLASTX:Maize
Start	5989	End	7085
GI	none	Score	63
Exons	5989..6165, 6019..6168, 6250..6378, 6251..6379, 6470..6550, 6957..7085, 6964..7047		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101493	Strand	-
Start	19907	End	22373
Name	OJ000204_12.0323.C2.o4.tm	Method	TBLASTX:Maize
Start	13003	End	13926
GI	none	Score	97
Exons	13003..13131, 13657..13692, 13711..13926, 13724..13876		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101493	Strand	-
Start	19907	End	22373
Name	OJ000204_12.0323.C2.o3.tc	Method	TBLASTX:Cress
Start	13609	End	13929
GI	none	Score	63
Exons	13609..13716, 13655..13717, 13705..13929, 13715..13885, 13768..13887		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101493	Strand	-
Start	19907	End	22373
Name	OJ000204_12.0323.C2.o2.ts	Method	TBLASTX:Soybean
Start	13654	End	17152
GI	none	Score	97
Exons	13654..13692, 13709..13885, 13711..13920, 16658..16849, 16747..16854, 16926..17123, 16928..17062, 17081..17152		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101493	Strand	-
Start	19907	End	22373
Name	OJ000204_12.0323.C2.o2.tc	Method	TBLASTX:Cress
Start	16543	End	17104
GI	none	Score	135
Exons	16543..16599, 16646..16849, 16747..16854, 16928..17104, 16929..17102		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2

Gene No.	101493	Strand	-
Start	19907	End	22373
Name	OJ000204_12.0323.C2.o2.tm	Method	TBLASTX:Maize
Start	16543	End	16840
GI	none	Score	43
Exons	16543..16575, 16579..16608, 16636..16692, 16646..16840, 16747..16839		

Seq. No.	47688	Seq. ID	OJ000204_12.0323.C2
Gene No.	101493	Strand	-
Start	19907	End	22373
Name	OJ000204_12.0323.C2.o8.gs	Method	GENSCAN
Start	19907	End	22373
GI	none	Score	.53
Exons	19907..20168, 20191..20368, 20833..20948, 22188..22373		

Seq. No.	47689	Seq. ID	OJ000204_12.0323.C3
Gene No.	101494	Strand	+
Start	1	End	1471
Name	OJ000204_12.0323.C3.o1.np	Method	AAT/NAP
Start	1	End	182
GI	7523512	Score	162
Exons	1..182		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47689	Seq. ID	OJ000204_12.0323.C3
Gene No.	101494	Strand	+
Start	1	End	1471
Name	OJ000204_12.0323.C3.o2.np	Method	AAT/NAP
Start	1	End	1471
GI	4680183	Score	181
Exons	1..61, 706..776, 1382..1471		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	47689	Seq. ID	OJ000204_12.0323.C3
Gene No.	101494	Strand	+
Start	1	End	1471
Name	OJ000204_12.0323.C3.o1.gs	Method	GENSCAN
Start	706	End	1427
GI	none	Score	.75
Exons	706..840, 1301..1427		

Seq. No.	47690	Seq. ID	OJ000204_12.0323.C5
Gene No.	101495	Strand	+
Start	1	End	708
Name	OJ000204_12.0323.C5.o1.np	Method	AAT/NAP
Start	1	End	708
GI	6498441	Score	1107
Exons	1..708		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	47690	Seq. ID	OJ000204_12.0323.C5
Gene No.	101495	Strand	+
Start	1	End	708
Name	OJ000204_12.0323.C5.o1.tw	Method	TBLASTX:Wheat

Start	27	End	419
GI	none	Score	59
Exons	27..74, 81..179, 86..178, 146..385, 162..419		

Seq. No.	47690	Seq. ID	OJ000204_12.0323.C5
Gene No.	101495	Strand	+
Start	1	End	708
Name	OJ000204_12.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	32	End	305
GI	none	Score	186
Exons	32..301, 69..305		

Seq. No.	47691	Seq. ID	OJ000204_12.0323.C6
Gene No.	101496	Strand	+
Start	17126	End	17379
Name	OJ000204_12.0323.C6.o1.gp	Method	AAT/GAP
Start	17126	End	17379
GI	LIB3434-035-P1-K1-A7	Score	385
Exons	17126..17379		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	47691	Seq. ID	OJ000204_12.0323.C6
Gene No.	101497	Strand	+
Start	17343	End	17423
Name	OJ000204_12.0323.C6.o2.gp	Method	AAT/GAP
Start	17343	End	17423
GI	38012_1.R1084	Score	103
Exons	17343..17423		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	47691	Seq. ID	OJ000204_12.0323.C6
Gene No.	101498	Strand	-
Start	2327	End	16551
Name	OJ000204_12.0323.C6.o2.gs	Method	GENSCAN
Start	2327	End	16533
GI	none	Score	.9
Exons	2327..2336, 2731..2897, 3221..3393, 4199..4346, 4823..4982, 5307..5452, 6249..6477, 7187..7409, 7539..7687, 8787..8956, 9474..9545, 11466..11597, 11667..11754, 12127..12340, 12787..12970, 14288..14417, 14566..14936, 14970..15253, 16218..16533		

Seq. No.	47691	Seq. ID	OJ000204_12.0323.C6
Gene No.	101498	Strand	-
Start	2327	End	16551
Name	OJ000204_12.0323.C6.o1.np	Method	AAT/NAP
Start	3206	End	16551
GI	3687226	Score	1102
Exons	3206..3394, 4188..4346, 4823..4982, 5307..5452, 6249..6438, 7187..7409, 7539..7689, 8852..8956, 9474..9576, 11467..11600, 11667..11754, 12127..12340, 12787..12970, 13364..13451, 14316..14435, 14566..14741, 16244..16551		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47691	Seq. ID	OJ000204_12.0323.C6

Gene No.	101498	Strand	-
Start	2327	End	16551
Name	OJ000204_12.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	6255	End	6477
GI	none	Score	82
Exons	6255..6344, 6255..6476, 6256..6477		

Seq. No.	47692	Seq. ID	OJ000204_12.0323.C7
Gene No.	101499	Strand	-
Start	2609	End	3134
Name	OJ000204_12.0323.C7.o1.gs	Method	GENSCAN
Start	2609	End	3134
GI	none	Score	.77
Exons	2609..2863, 2962..3134		

Seq. No.	47692	Seq. ID	OJ000204_12.0323.C7
Gene No.	101499	Strand	-
Start	2609	End	3134
Name	OJ000204_12.0323.C7.o1.gp	Method	AAT/GAP
Start	2993	End	3134
GI	2311470	Score	252
Exons	2993..3134		
GI Descrip.	3687227 1.0e-12 (AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47693	Seq. ID	OJ000204_12.0323.C8
Gene No.	101500	Strand	-
Start	1	End	7262
Name	OJ000204_12.0323.C8.o1.np	Method	AAT/NAP
Start	1	End	7262
GI	3687226	Score	595
Exons	1..33, 327..432, 1259..1418, 1756..1901, 4544..4730, 5714..5936, 6116..6290, 7208..7262		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47693	Seq. ID	OJ000204_12.0323.C8
Gene No.	101500	Strand	-
Start	1	End	7262
Name	OJ000204_12.0323.C8.o1.gp	Method	AAT/GAP
Start	282	End	1451
GI	2311470	Score	565
Exons	282..432, 1259..1451		
GI Descrip.	3687227 1.0e-12 (AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47693	Seq. ID	OJ000204_12.0323.C8
Gene No.	101500	Strand	-
Start	1	End	7262
Name	OJ000204_12.0323.C8.o1.gs	Method	GENSCAN
Start	285	End	6264
GI	none	Score	.79
Exons	285..432, 1259..1418, 1756..1901, 4544..4769, 5714..5936, 6116..6264		

Seq. No.	47693	Seq. ID	OJ000204_12.0323.C8
Gene No.	101500	Strand	-
Start	1	End	7262

Name	OJ000204_12.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	1764	End	4781
GI	none	Score	128
Exons	1764..1829, 4550..4660, 4551..4676, 4660..4752, 4664..4768, 4665..4781		

Seq. No.	47693	Seq. ID	OJ000204_12.0323.C8
Gene No.	101500	Strand	-
Start	1	End	7262
Name	OJ000204_12.0323.C8.o2.tm	Method	TBLASTX:Maize
Start	2689	End	3143
GI	none	Score	121
Exons	2689..2820, 2727..2816, 2829..2888, 2947..3078, 3117..3143		

Seq. No.	47694	Seq. ID	OJ000204_12.0323.C9
Gene No.	101501	Strand	-
Start	1	End	843
Name	OJ000204_12.0323.C9.o1.np	Method	AAT/NAP
Start	1	End	843
GI	3687225	Score	91
Exons	1..222, 772..843		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47694	Seq. ID	OJ000204_12.0323.C9
Gene No.	101501	Strand	-
Start	1	End	843
Name	OJ000204_12.0323.C9.o1.gs	Method	GENSCAN
Start	53	End	843
GI	none	Score	.87
Exons	53..211, 479..564, 772..843		

Seq. No.	47695	Seq. ID	OJ000204_12.0323.C10
Gene No.	101502	Strand	-
Start	363	End	5194
Name	OJ000204_12.0323.C10.o1.np	Method	AAT/NAP
Start	363	End	4545
GI	3687225	Score	351
Exons	363..500, 572..659, 2199..2388, 2880..3063, 4148..4277, 4464..4545		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47695	Seq. ID	OJ000204_12.0323.C10
Gene No.	101502	Strand	-
Start	363	End	5194
Name	OJ000204_12.0323.C10.o1.gs	Method	GENSCAN
Start	369	End	5194
GI	none	Score	.59
Exons	369..500, 572..659, 2199..2415, 2880..3063, 3401..3484, 4148..4319, 4464..5194		

Seq. No.	47696	Seq. ID	OJ000204_12.0323.C11
Gene No.	101503	Strand	+
Start	125	End	414
Name	OJ000204_12.0323.C11.o1.gs	Method	GENSCAN
Start	125	End	414
GI	none	Score	.44
Exons	125..251, 347..414		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101504	Strand	+
Start	2176	End	2441
Name	OJ000204_12.0323.C12.o1.np	Method	AAT/NAP
Start	2176	End	2441
GI	5734621	Score	45
Exons	2176..2441		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101505	Strand	+
Start	12528	End	13591
Name	OJ000204_12.0323.C12.o3.gs	Method	GENSCAN
Start	12528	End	13591
GI	none	Score	.84
Exons	12528..12560, 13249..13369, 13428..13591		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101506	Strand	-
Start	2959	End	9389
Name	OJ000204_12.0323.C12.o1.gp	Method	AAT/GAP
Start	2959	End	6726
GI	9562_1.R1084	Score	2335
Exons	2959..3102, 3174..3362, 3485..3642, 4551..4641, 5233..5407, 5477..5616, 6164..6382, 6460..6589, 6678..6726		
GI Descrip.	'6006848/gb|AAF00624.1|AC009540_1 1.0e-179 (AC009540) unknown protein, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101506	Strand	-
Start	2959	End	9389
Name	OJ000204_12.0323.C12.o2.np	Method	AAT/NAP
Start	3046	End	9389
GI	6223639	Score	1926
Exons	3046..3102, 3174..3362, 3485..3642, 4551..4641, 5233..5407, 5477..5604, 6164..6382, 6460..6589, 6678..6744, 6842..6936, 7024..7095, 7181..7236, 7359..7428, 7536..7609, 7694..7828, 9009..9389		
GI Descrip.	(AC011698) putative casein kinase [Arabidopsis thaliana]		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101506	Strand	-
Start	2959	End	9389
Name	OJ000204_12.0323.C12.o1.gs	Method	GENSCAN
Start	3174	End	9188
GI	none	Score	.77
Exons	3174..3362, 3485..3642, 4551..4641, 5233..5407, 5477..5616, 6164..6330, 6842..6936, 7024..7095, 7536..7609, 7694..7828, 9009..9188		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101506	Strand	-
Start	2959	End	9389
Name	OJ000204_12.0323.C12.o2.gp	Method	AAT/GAP

Start	7381	End	9336
GI	54100_1.R1084	Score	1099
Exons	7381..7428, 7536..7609, 7694..7828, 9009..9336		
GI Descrip.	'3643611 3.0e-24 (AC005395) putative casein kinase [Arabidopsis thaliana]'		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101507	Strand	-
Start	10578	End	11204
Name	OJ000204_12.0323.C12.o2.gs	Method	GENSCAN
Start	10578	End	11204
GI	none	Score	1
Exons	10578..11204		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101508	Strand	-
Start	14396	End	14535
Name	OJ000204_12.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	3043	End	7595
GI	none	Score	45
Exons	3043..3111, 3059..3103, 3169..3363, 3174..3374, 3174..3350, 3482..3643, 3482..3619, 3483..3644, 3485..3637, 3498..3644, 3499..3645, 4540..4641, 4541..4642, 4547..4642, 5219..5410, 5232..5405, 5233..5409, 5242..5400, 5473..5571, 5474..5572, 6160..6384, 6161..6382, 6162..6386, 6441..6575, 6443..6577, 6459..6575, 6460..6582, 6460..6591, 6467..6592, 6677..6745, 6842..6928, 6843..6935, 6843..6935, 7003..7086, 7014..7094, 7023..7094, 7171..7248, 7172..7234, 7195..7236, 7350..7430, 7354..7431, 7536..7595, 7538..7594		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101508	Strand	-
Start	14396	End	14535
Name	OJ000204_12.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	3049	End	7834
GI	none	Score	52
Exons	3049..3111, 3059..3103, 3172..3363, 3174..3365, 3174..3350, 3274..3363, 3474..3644, 3478..3639, 3482..3643, 3482..3619, 3483..3644, 3484..3645, 4540..4641, 4541..4642, 4544..4642, 5230..5406, 5233..5409, 5276..5410, 5473..5571, 5474..5581, 5545..5607, 5561..5605, 6134..6382, 6162..6386, 6455..6583, 6460..6588, 6460..6591, 6467..6592, 6677..6745, 6678..6746, 6843..6935, 7023..7094, 7024..7095, 7032..7109, 7180..7248, 7184..7237, 7195..7242, 7350..7424, 7350..7430, 7354..7431, 7538..7612, 7542..7610, 7706..7834		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101508	Strand	-
Start	14396	End	14535
Name	OJ000204_12.0323.C12.o3.tc	Method	TBLASTX:Cress
Start	3049	End	3365
GI	none	Score	52
Exons	3049..3111, 3059..3103, 3174..3350, 3190..3363, 3192..3365		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101508	Strand	-
Start	14396	End	14535

Name	OJ000204_12.0323.C12.o3.tw	Method	TBLASTX:Wheat
Start	3052	End	3312
GI	none	Score	42
Exons	3052..3111, 3059..3103, 3172..3312, 3174..3311, 3196..3312		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101508	Strand	-
Start	14396	End	14535
Name	OJ000204_12.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	3474	End	5353
GI	none	Score	234
Exons	3474..3644, 3482..3643, 3482..3571, 3483..3644, 3484..3645, 3484..3645, 3512..3592, 4540..4641, 4541..4642, 4544..4642, 4558..4698, 4561..4641, 4566..4706, 5225..5353, 5231..5350, 5233..5352		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101508	Strand	-
Start	14396	End	14535
Name	OJ000204_12.0323.C12.o2.tc	Method	TBLASTX:Cress
Start	3482	End	5572
GI	none	Score	86
Exons	3482..3619, 4565..4666, 4567..4632, 5231..5410, 5231..5311, 5233..5409, 5473..5571, 5474..5572		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101508	Strand	-
Start	14396	End	14535
Name	OJ000204_12.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	6164	End	6490
GI	none	Score	276
Exons	6164..6382, 6165..6383, 6165..6383, 6166..6384, 6298..6390, 6458..6481, 6460..6489, 6461..6490		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101508	Strand	-
Start	14396	End	14535
Name	OJ000204_12.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	6207	End	6920
GI	none	Score	213
Exons	6207..6383, 6209..6382, 6216..6383, 6218..6385, 6292..6384, 6458..6580, 6459..6578, 6460..6579, 6460..6597, 6461..6598, 6580..6690, 6677..6745, 6678..6746, 6837..6920		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101508	Strand	-
Start	14396	End	14535
Name	OJ000204_12.0323.C12.o4.tc	Method	TBLASTX:Cress
Start	7023	End	7567
GI	none	Score	60
Exons	7023..7094, 7180..7248, 7195..7248, 7350..7430, 7354..7431, 7538..7567, 7542..7565		

Seq. No.	47697	Seq. ID	OJ000204_12.0323.C12
Gene No.	101508	Strand	-
Start	14396	End	14535
Name	OJ000204_12.0323.C12.o4.gs	Method	GENSCAN

Start	14396	End	14535
GI	none	Score	.98
Exons	14396..14535		

Seq. No.	47698	Seq. ID	OJ000204_08.0317.C1
Gene No.	101509	Strand	-
Start	1	End	1442
Name	OJ000204_08.0317.C1.o1.np	Method	AAT/NAP
Start	1	End	1442
GI	4204276	Score	1079
Exons	1..36, 124..1442		
GI Descrip.	(AC004146) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47698	Seq. ID	OJ000204_08.0317.C1
Gene No.	101509	Strand	-
Start	1	End	1442
Name	OJ000204_08.0317.C1.o1.gs	Method	GENSCAN
Start	124	End	1308
GI	none	Score	.63
Exons	124..1308		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101510	Strand	+
Start	15087	End	20156
Name	OJ000204_08.0317.C2.o2.np	Method	AAT/NAP
Start	15064	End	20156
GI	5042454	Score	3453
Exons	15064..15209, 15673..15784, 15841..17550, 18182..18701, 19283..19340, 19566..19733, 20096..20156		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101510	Strand	+
Start	15087	End	20156
Name	OJ000204_08.0317.C2.o2.gs	Method	GENSCAN
Start	15087	End	18974
GI	none	Score	.61
Exons	15087..15121, 15164..15209, 15680..15784, 15814..17111, 17117..17280, 17301..17489, 18178..18974		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101510	Strand	+
Start	15087	End	20156
Name	OJ000204_08.0317.C2.o3.np	Method	AAT/NAP
Start	19054	End	20156
GI	5042454	Score	170
Exons	19054..19340, 19566..19733, 20096..20156		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101511	Strand	+
Start	21272	End	25782
Name	OJ000204_08.0317.C2.o3.gs	Method	GENSCAN
Start	21272	End	25782
GI	none	Score	.68
Exons	21272..21376, 22343..22391, 22571..22659, 22761..22817, 23267..23329, 23363..23476, 24103..24189, 24274..24367,		

24934..25134, 25158..25256, 25283..25335, 25648..25782

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101512	Strand	-
Start	1	End	12953
Name	OJ000204_08.0317.C2.o1.np	Method	AAT/NAP
Start	1	End	12953
GI	4204276	Score	3411
Exons	1..462, 1334..1635, 1944..2052, 3437..5215, 5610..5735, 6188..6348, 6581..6750, 7681..7714, 7787..7886, 7960..8082, 8294..8372, 8550..8669, 8759..8868, 9371..9519, 9942..10136, 10942..11026, 12526..12953		
GI Descrip.	(AC004146) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101512	Strand	-
Start	1	End	12953
Name	OJ000204_08.0317.C2.o1.gs	Method	GENSCAN
Start	99	End	12953
GI	none	Score	.79
Exons	99..462, 1334..1639, 2262..2356, 2860..2894, 2976..2998, 3437..5215, 5610..5735, 6188..6364, 6581..6712, 6904..6943, 7787..7886, 7960..8082, 8294..8372, 8759..8868, 9371..9519, 9611..9781, 12526..12953		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101513	Strand	-
Start	25293	End	25536
Name	OJ000204_08.0317.C2.o2.gp	Method	AAT/GAP
Start	25293	End	25536
GI	2801321	Score	318
Exons	25293..25536		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-
Start	26293	End	30967
Name	OJ000204_08.0317.C2.o2.tw	Method	TBLASTX:Wheat
Start	16513	End	16905
GI	none	Score	59
Exons	16513..16560, 16567..16665, 16572..16664, 16632..16871, 16648..16905		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-
Start	26293	End	30967
Name	OJ000204_08.0317.C2.o4.tm	Method	TBLASTX:Maize
Start	16518	End	16791
GI	none	Score	186
Exons	16518..16787, 16555..16791		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-
Start	26293	End	30967
Name	OJ000204_08.0317.C2.o3.tw	Method	TBLASTX:Wheat
Start	18537	End	18833
GI	none	Score	262
Exons	18537..18833, 18597..18740, 18665..18829		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-
Start	26293	End	30967
Name	OJ000204_08.0317.C2.o2.tc	Method	TBLASTX:Cress
Start	21263	End	23473
GI	none	Score	166
Exons	21263..21379, 21271..21369, 22340..22390, 22342..22395, 22567..22659, 22570..22659, 22757..22816, 22776..22823, 23264..23329, 23266..23331, 23410..23472, 23411..23473		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-
Start	26293	End	30967
Name	OJ000204_08.0317.C2.o2.tm	Method	TBLASTX:Maize
Start	21263	End	25057
GI	none	Score	190
Exons	21263..21379, 21271..21378, 22340..22390, 22341..22394, 22342..22395, 22567..22659, 22570..22659, 22584..22661, 22757..22819, 22757..22816, 22758..22817, 22776..22823, 23264..23329, 23264..23329, 23266..23331, 23266..23331, 23394..23471, 23407..23472, 23410..23475, 23411..23479, 24095..24181, 24100..24189, 24102..24206, 24103..24189, 24273..24377, 24274..24366, 24276..24368, 24932..25033, 24933..25034, 25025..25057, 25025..25057		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-
Start	26293	End	30967
Name	OJ000204_08.0317.C2.o2.ts	Method	TBLASTX:Soybean
Start	21272	End	23335
GI	none	Score	60
Exons	21272..21316, 21289..21384, 21305..21379, 22339..22395, 22340..22390, 22503..22532, 22567..22659, 22570..22659, 22596..22661, 22757..22816, 22776..22823, 23264..23329, 23266..23331, 23273..23335		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-
Start	26293	End	30967
Name	OJ000204_08.0317.C2.o4.tw	Method	TBLASTX:Wheat
Start	25019	End	25338
GI	none	Score	98
Exons	25019..25063, 25026..25151, 25027..25152, 25138..25317, 25139..25336, 25156..25338		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-
Start	26293	End	30967
Name	OJ000204_08.0317.C2.o3.tm	Method	TBLASTX:Maize
Start	25241	End	25464
GI	none	Score	130
Exons	25241..25339, 25243..25338, 25322..25399, 25428..25460, 25429..25464		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-

Start	26293	End	30967
Name	OJ000204_08.0317.C2.o4.gs	Method	GENSCAN
Start	26293	End	30853
GI	none	Score	.59
Exons	26293..26512, 27120..27274, 28849..28936, 29195..29400, 30116..30853		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-
Start	26293	End	30967
Name	OJ000204_08.0317.C2.o4.np	Method	AAT/NAP
Start	26655	End	30967
GI	6630739	Score	1341
Exons	26655..26742, 27732..27841, 29200..29400, 30116..30967		
GI Descrip.	(AL132958) pectate lyase-like protein [Arabidopsis thaliana]		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-
Start	26293	End	30967
Name	OJ000204_08.0317.C2.o1.ts	Method	TBLASTX:Soybean
Start	29206	End	30967
GI	none	Score	224
Exons	29206..29403, 30104..30637, 30156..30440, 30489..30638, 30635..30913, 30636..30836, 30923..30967		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-
Start	26293	End	30967
Name	OJ000204_08.0317.C2.o1.tc	Method	TBLASTX:Cress
Start	29296	End	30967
GI	none	Score	69
Exons	29296..29403, 29300..29404, 30098..30634, 30156..30524, 30635..30913, 30636..30836, 30923..30967		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-
Start	26293	End	30967
Name	OJ000204_08.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	29305	End	30838
GI	none	Score	486
Exons	29305..29403, 30104..30640, 30156..30641, 30621..30782, 30635..30838, 30636..30833		

Seq. No.	47699	Seq. ID	OJ000204_08.0317.C2
Gene No.	101514	Strand	-
Start	26293	End	30967
Name	OJ000204_08.0317.C2.o1.tw	Method	TBLASTX:Wheat
Start	30288	End	30673
GI	none	Score	212
Exons	30288..30641, 30290..30640, 30632..30673		

Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101515	Strand	+
Start	2206	End	7843
Name	OJ000204_08.0317.C3.o1.gs	Method	GENSCAN
Start	2206	End	7843
GI	none	Score	.49

Exons	2206..2310, 3730..3850, 3871..4012, 5797..5875, 6076..6278, 6582..6669, 6798..6821, 7107..7329, 7420..7525, 7576..7843		
Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101516	Strand	+
Start	12342	End	18640
Name	OJ000204_08.0317.C3.o3.gs	Method	GENSCAN
Start	12342	End	18452
GI	none	Score	.69
Exons	12342..12440, 12594..12719, 14395..14536, 14626..14813, 14909..14985, 16006..16090, 16203..16329, 16419..16517, 16615..16682, 16999..17076, 17193..17325, 17410..17506, 17737..17860, 17940..18048, 18171..18254, 18343..18452		
Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101516	Strand	+
Start	12342	End	18640
Name	OJ000204_08.0317.C3.o1.gp	Method	AAT/GAP
Start	14671	End	16451
GI	70874_1.R1084	Score	782
Exons	14671..14813, 14909..14985, 16006..16090, 16203..16329, 16419..16451		
GI Descrip.	'1129145/emb|CAA53078| 4.0e-26 (X75329) acetyl-CoA C-acyltransferase [Mangifera indica]'		
Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101516	Strand	+
Start	12342	End	18640
Name	OJ000204_08.0317.C3.o2.np	Method	AAT/NAP
Start	14727	End	18449
GI	2924779	Score	1419
Exons	14727..14813, 14906..14985, 16006..16090, 16203..16329, 16419..16517, 16615..16682, 16786..16893, 16999..17076, 17193..17325, 17410..17506, 17737..17860, 17940..18048, 18171..18254, 18343..18449		
GI Descrip.	(AC002334) 3-ketoacyl-CoA thiolase [Arabidopsis thaliana] gi|2981616|dbj|BAA25248| (AB008854) 3-ketoacyl-CoA thiolase [Arabidopsis thaliana] gi|2981618|dbj|BAA25249| (AB008855) 3-ketoacyl-CoA thiolase [Arabidopsis thaliana]		
Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101516	Strand	+
Start	12342	End	18640
Name	OJ000204_08.0317.C3.o2.gp	Method	AAT/GAP
Start	16614	End	18640
GI	13655_1.R1084	Score	2014
Exons	16614..16682, 16786..16893, 16999..17076, 17193..17325, 17410..17506, 17737..17860, 17940..18048, 18171..18254, 18343..18640		
GI Descrip.	'3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]'		
Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101517	Strand	-
Start	8336	End	10747
Name	OJ000204_08.0317.C3.o1.np	Method	AAT/NAP

Start	8336	End	10747
GI	7485688	Score	618
Exons	8336..8456, 8531..8607, 9134..9246, 9359..9394, 9690..9773, 9821..9946, 10612..10747		
GI Descrip.	hypothetical protein F18A5.110 - Arabidopsis thaliana gi|4455301|emb|CAB36836.1| (AL035528) putative protein [Arabidopsis thaliana] gi|7268076|emb|CAB78414.1| (AL161537) putative protein [Arabidopsis thaliana]		

Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101517	Strand	-
Start	8336	End	10747
Name	OJ000204_08.0317.C3.o2.gs	Method	GENSCAN
Start	8336	End	10747
GI	none	Score	.68
Exons	8336..8456, 8531..8607, 9134..9246, 9696..9759, 9855..9983, 10540..10565, 10612..10747		

Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101518	Strand	-
Start	19499	End	19971
Name	OJ000204_08.0317.C3.o2.tm	Method	TBLASTX:Maize
Start	8308	End	10705
GI	none	Score	142
Exons	8308..8451, 8318..8461, 8320..8451, 8333..8458, 8528..8617, 8530..8607, 9134..9247, 9135..9248, 9140..9250, 9357..9389, 9358..9393, 9694..9759, 9695..9763, 9696..9770, 9696..9779, 9852..9932, 9853..9918, 10613..10705, 10626..10703, 10667..10705		

Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101518	Strand	-
Start	19499	End	19971
Name	OJ000204_08.0317.C3.o2.tc	Method	TBLASTX:Cress
Start	8348	End	10714
GI	none	Score	59
Exons	8348..8464, 8348..8458, 8528..8608, 8530..8607, 9129..9248, 9137..9247, 9140..9265, 9357..9389, 9358..9396, 9694..9759, 9695..9784, 9850..9918, 9852..9932, 10613..10714, 10626..10703		

Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101518	Strand	-
Start	19499	End	19971
Name	OJ000204_08.0317.C3.o2.ts	Method	TBLASTX:Soybean
Start	8363	End	9203
GI	none	Score	54
Exons	8363..8458, 8367..8447, 8378..8488, 8528..8608, 8530..8607, 9137..9202, 9138..9203		

Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101518	Strand	-
Start	19499	End	19971
Name	OJ000204_08.0317.C3.o1.tm	Method	TBLASTX:Maize
Start	15997	End	18466
GI	none	Score	110
Exons	15997..16089, 15998..16099, 15998..16105, 16197..16328, 16211..16327, 16414..16521, 16415..16522, 16613..16678, 16614..16685, 16786..16893, 16803..16910, 17001..17075,		

17002..17082, 17189..17329, 17190..17330, 17408..17506,
17409..17507, 17734..17859, 17735..17881, 17735..17896,
17937..18050, 17938..18051, 17939..18064, 18167..18247,
18168..18248, 18169..18255, 18170..18259, 18293..18466,
18335..18370, 18342..18446

Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101518	Strand	-
Start	19499	End	19971
Name	OJ000204_08.0317.C3.o1.tc	Method	TBLASTX:Cress
Start	15998	End	18446
GI	none	Score	104

Exons 15998..16099, 16012..16098, 16188..16328, 16202..16327,
16206..16328, 16414..16521, 16415..16522, 16613..16684,
16614..16685, 16785..16895, 16785..16901, 16786..16896,
16998..17078, 16999..17082, 17190..17330, 17195..17326,
17308..17328, 17408..17506, 17409..17507, 17409..17507,
17729..17860, 17735..17881, 17937..18050, 17937..18050,
17939..18070, 17939..18064, 18157..18258, 18169..18252,
18170..18259, 18335..18445, 18342..18446

Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101518	Strand	-
Start	19499	End	19971
Name	OJ000204_08.0317.C3.o1.ts	Method	TBLASTX:Soybean
Start	15998	End	18410
GI	none	Score	115

Exons 15998..16099, 16006..16098, 16188..16328, 16200..16325,
16202..16327, 16414..16521, 16415..16522, 16613..16684,
16614..16685, 16785..16895, 16786..16896, 16990..17067,
16999..17082, 17190..17330, 17191..17328, 17192..17329,
17408..17506, 17409..17507, 17729..17896, 17731..17919,
17735..17881, 17937..18050, 17938..18051, 17939..18064,
17952..18089, 18163..18258, 18169..18258, 18170..18259,
18293..18409, 18329..18379, 18342..18410, 18342..18410

Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101518	Strand	-
Start	19499	End	19971
Name	OJ000204_08.0317.C3.o1.tw	Method	TBLASTX:Wheat
Start	16638	End	17465
GI	none	Score	177

Exons 16638..16682, 16785..16895, 16786..16896, 16990..17076,
16999..17082, 17051..17092, 17189..17326, 17190..17330,
17190..17330, 17408..17464, 17409..17465

Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101518	Strand	-
Start	19499	End	19971
Name	OJ000204_08.0317.C3.o2.tw	Method	TBLASTX:Wheat
Start	17985	End	18446
GI	none	Score	99

Exons 17985..18050, 17993..18055, 18167..18250, 18168..18251,
18169..18255, 18170..18259, 18293..18445, 18342..18446

Seq. No.	47700	Seq. ID	OJ000204_08.0317.C3
Gene No.	101518	Strand	-

Start	19499	End	19971
Name	OJ000204_08.0317.C3.o4.gs	Method	GENSCAN
Start	19499	End	19971
GI	none	Score	.96
Exons	19499..19515, 19914..19971		

Seq. No.	47701	Seq. ID	OJ000204_08.0317.C4
Gene No.	101519	Strand	+
Start	143	End	451
Name	OJ000204_08.0317.C4.o1.gs	Method	GENSCAN
Start	143	End	451
GI	none	Score	.87
Exons	143..451		

Seq. No.	47701	Seq. ID	OJ000204_08.0317.C4
Gene No.	101520	Strand	+
Start	7341	End	19655
Name	OJ000204_08.0317.C4.o1.np	Method	AAT/NAP
Start	7341	End	19655
GI	7485004	Score	2612
Exons	7341..7733, 8091..8153, 8240..8335, 8437..8529, 9326..9516, 9595..9904, 10618..10980, 11235..11315, 11474..11849, 11958..12231, 12330..12457, 12541..12741, 13030..13149, 13447..13631, 14843..14966, 15245..15394, 15512..15567, 15653..15949, 16065..16194, 16402..16451, 16740..16972, 18391..18594, 18676..18754, 18836..19080, 19246..19655		
GI Descrip.	helicase homolog F22O13.8 - Arabidopsis thaliana gi|3063446|gb|AAC14034.1| (AC003981) F22O13.8 [Arabidopsis thaliana]		

Seq. No.	47701	Seq. ID	OJ000204_08.0317.C4
Gene No.	101520	Strand	+
Start	7341	End	19655
Name	OJ000204_08.0317.C4.o2.gs	Method	GENSCAN
Start	7341	End	19629
GI	none	Score	.78
Exons	7341..7658, 8091..8153, 8240..8335, 8437..8529, 9326..9516, 9595..9832, 10716..10811, 11235..11315, 11443..11479, 11536..11849, 12060..12241, 12370..12457, 12541..13149, 13447..13613, 14825..14966, 15203..15325, 15512..15567, 15646..15949, 16092..16194, 16578..16606, 16740..16972, 18676..18754, 18836..19080, 19249..19629		

Seq. No.	47701	Seq. ID	OJ000204_08.0317.C4
Gene No.	101520	Strand	+
Start	7341	End	19655
Name	OJ000204_08.0317.C4.o4.ts	Method	TBLASTX:Soybean
Start	9589	End	9831
GI	none	Score	75
Exons	9589..9636, 9593..9649, 9692..9829, 9733..9831		

Seq. No.	47701	Seq. ID	OJ000204_08.0317.C4
Gene No.	101520	Strand	+
Start	7341	End	19655
Name	OJ000204_08.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	11738	End	12176
GI	none	Score	177

Exons	11738..11851, 11739..11849, 11914..12174, 11952..12176, 11955..12176		
Seq. No.	47701	Seq. ID	OJ000204_08.0317.C4
Gene No.	101520	Strand	+
Start	7341	End	19655
Name	OJ000204_08.0317.C4.o3.ts	Method	TBLASTX:Soybean
Start	13473	End	14927
GI	none	Score	214
Exons	13473..13619, 13474..13620, 14841..14927		
Seq. No.	47701	Seq. ID	OJ000204_08.0317.C4
Gene No.	101520	Strand	+
Start	7341	End	19655
Name	OJ000204_08.0317.C4.o3.tm	Method	TBLASTX:Maize
Start	14859	End	15563
GI	none	Score	139
Exons	14859..14966, 14861..14965, 15242..15397, 15244..15393, 15339..15404, 15504..15563, 15512..15562		
Seq. No.	47701	Seq. ID	OJ000204_08.0317.C4
Gene No.	101520	Strand	+
Start	7341	End	19655
Name	OJ000204_08.0317.C4.o2.ts	Method	TBLASTX:Soybean
Start	15644	End	15840
GI	none	Score	283
Exons	15644..15838, 15649..15840, 15649..15840		
Seq. No.	47701	Seq. ID	OJ000204_08.0317.C4
Gene No.	101520	Strand	+
Start	7341	End	19655
Name	OJ000204_08.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	16887	End	19403
GI	none	Score	136
Exons	16887..16973, 16888..16980, 16888..16971, 16889..16972, 18385..18594, 18389..18595, 18662..18757, 18662..18757, 18667..18759, 18670..18759, 18833..18952, 18834..18953, 18839..18955, 18870..18959, 18938..19081, 18968..19081, 19247..19327, 19248..19337, 19249..19365, 19367..19399, 19371..19403		
Seq. No.	47701	Seq. ID	OJ000204_08.0317.C4
Gene No.	101520	Strand	+
Start	7341	End	19655
Name	OJ000204_08.0317.C4.o1.ts	Method	TBLASTX:Soybean
Start	16896	End	19331
GI	none	Score	91
Exons	16896..16973, 18385..18594, 18386..18598, 18389..18595, 18673..18759, 18674..18757, 18833..18937, 18834..18935, 18839..18940, 19247..19330, 19248..19331		
Seq. No.	47701	Seq. ID	OJ000204_08.0317.C4
Gene No.	101520	Strand	+
Start	7341	End	19655
Name	OJ000204_08.0317.C4.o1.gp	Method	AAT/GAP
Start	19009	End	19604
GI	LIB3431-005-P1-K1-F12	Score	803

Exons	19009..19080, 19249..19604		
GI Descrip.	'3063446 3.0e-15 (AC003981) F22O13.8 [Arabidopsis thaliana]'		
Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o8.tm	Method	TBLASTX:Maize
Start	5	End	273
GI	none	Score	115
Exons	5..121, 124..273		
Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	595	End	1134
GI	none	Score	189
Exons	595..723, 808..1134		
Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o2.tw	Method	TBLASTX:Wheat
Start	673	End	1113
GI	none	Score	172
Exons	673..798, 811..1113		
Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o2.tm	Method	TBLASTX:Maize
Start	748	End	1252
GI	none	Score	95
Exons	748..1206, 872..1252		
Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	1379	End	1882
GI	none	Score	68
Exons	1379..1486, 1380..1493, 1472..1750, 1590..1715, 1757..1882		
Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o7.tm	Method	TBLASTX:Maize
Start	1895	End	2338
GI	none	Score	68
Exons	1895..2338, 2049..2192		
Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o2.np	Method	AAT/NAP
Start	3343	End	8414
GI	7106515	Score	2611

Exons	3343..3422, 4241..5869, 5951..6269, 6540..7113, 7214..8414		
GI Descrip.	(AP001278) Similar to Arabidopsis thaliana chromosome II BAC T13P21 genomic sequence, putative helicase. (AC006067) [Oryza sativa]		

Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o3.ts	Method	TBLASTX:Soybean
Start	4338	End	4520
GI	none	Score	87
Exons	4338..4520, 4339..4518		

Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o5.tm	Method	TBLASTX:Maize
Start	4446	End	4766
GI	none	Score	103
Exons	4446..4520, 4527..4766, 4528..4764		

Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o1.tc	Method	TBLASTX:Cress
Start	4512	End	4769
GI	none	Score	118
Exons	4512..4769, 4516..4758		

Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o2.ts	Method	TBLASTX:Soybean
Start	4590	End	4770
GI	none	Score	130
Exons	4590..4769, 4597..4770		

Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o4.tm	Method	TBLASTX:Maize
Start	5058	End	5427
GI	none	Score	111
Exons	5058..5426, 5139..5393, 5179..5427		

Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o6.tm	Method	TBLASTX:Maize
Start	7064	End	7610
GI	none	Score	107
Exons	7064..7132, 7321..7479, 7350..7610, 7356..7505		

Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o1.tw	Method	TBLASTX:Wheat

Start	7209	End	7649
GI	none	Score	39
Exons	7209..7238, 7210..7242, 7248..7328, 7249..7341, 7304..7438, 7326..7625, 7326..7649, 7570..7647		

Seq. No.	47702	Seq. ID	OJ000204_08.0317.C5
Gene No.	101521	Strand	-
Start	3343	End	8414
Name	OJ000204_08.0317.C5.o3.tm	Method	TBLASTX:Maize
Start	7737	End	8276
GI	none	Score	63
Exons	7737..8117, 7752..7955, 8041..8088, 8145..8213, 8223..8276		

Seq. No.	47703	Seq. ID	OJ000204_08.0317.C7
Gene No.	101522	Strand	+
Start	1	End	282
Name	OJ000204_08.0317.C7.o1.np	Method	AAT/NAP
Start	1	End	271
GI	4309698	Score	137
Exons	1..271		
GI Descrip.	(AC006266) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	47703	Seq. ID	OJ000204_08.0317.C7
Gene No.	101522	Strand	+
Start	1	End	282
Name	OJ000204_08.0317.C7.o1.gs	Method	GENSCAN
Start	112	End	282
GI	none	Score	.83
Exons	112..282		

Seq. No.	47703	Seq. ID	OJ000204_08.0317.C7
Gene No.	101523	Strand	-
Start	3296	End	3758
Name	OJ000204_08.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	22	End	270
GI	none	Score	88
Exons	22..126, 22..126, 139..270, 139..270		

Seq. No.	47703	Seq. ID	OJ000204_08.0317.C7
Gene No.	101523	Strand	-
Start	3296	End	3758
Name	OJ000204_08.0317.C7.o2.gs	Method	GENSCAN
Start	3296	End	3758
GI	none	Score	.52
Exons	3296..3360, 3614..3758		

Seq. No.	47704	Seq. ID	OJ000204_08.0317.C8
Gene No.	101524	Strand	+
Start	2026	End	3351
Name	OJ000204_08.0317.C8.o1.tw	Method	TBLASTX:Wheat
Start	866	End	3054
GI	none	Score	149
Exons	866..919, 867..992, 867..1010, 2688..2741, 2689..2922, 2710..2793, 2947..3054		

Seq. No.	47704	Seq. ID	OJ000204_08.0317.C8
Gene No.	101524	Strand	+

Start	2026	End	3351
Name	OJ000204_08.0317.C8.o2.gs	Method	GENSCAN
Start	2026	End	3351
GI	none	Score	.82
Exons	2026..3351		

Seq. No.	47705	Seq. ID	OJ000204_08.0317.C11
Gene No.	101525	Strand	-
Start	1	End	14350
Name	OJ000204_08.0317.C11.o1.np	Method	AAT/NAP
Start	1	End	14350
GI	4204276	Score	1112
Exons	1..1471, 1641..1816, 1919..2110, 2202..2402, 2726..2976, 3231..3397, 3483..3526, 3574..3746, 3823..3999, 4080..4387, 4577..4625, 4681..4831, 5128..5284, 5370..5466, 5579..5737, 5935..6051, 6795..6870, 6955..7100, 7169..7315, 7412..7511, 7789..7911, 7987..8223, 8296..8406, 8531..8704, 8944..9123, 9231..9383, 10053..10160, 10564..10706, 11134..11275, 12188..12277, 12683..12914, 13000..13132, 13324..13560, 13641..13783, 14150..14350		
GI Descrip.	(AC004146) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47705	Seq. ID	OJ000204_08.0317.C11
Gene No.	101525	Strand	-
Start	1	End	14350
Name	OJ000204_08.0317.C11.o1.gs	Method	GENSCAN
Start	236	End	14106
GI	none	Score	.87
Exons	236..1504, 1620..1826, 1929..2063, 2155..2445, 2766..2984, 3239..3397, 3483..3544, 3620..3746, 3823..3990, 4140..4366, 4526..4620, 4704..4831, 4937..4957, 5128..5284, 5370..5438, 5591..5704, 5778..5875, 5939..6051, 6795..6870, 6955..7119, 7188..7315, 7412..7493, 7789..7911, 7996..8223, 8296..8397, 8507..8704, 8944..9123, 9231..9383, 10053..10160, 10564..10718, 11149..11275, 12188..12277, 12349..12536, 13000..13135, 13324..13560, 13641..13723, 14017..14106		

Seq. No.	47705	Seq. ID	OJ000204_08.0317.C11
Gene No.	101525	Strand	-
Start	1	End	14350
Name	OJ000204_08.0317.C11.o1.tm	Method	TBLASTX:Maize
Start	251	End	492
GI	none	Score	170
Exons	251..418, 256..429, 257..424, 276..431, 415..492, 427..492		

Seq. No.	47705	Seq. ID	OJ000204_08.0317.C11
Gene No.	101525	Strand	-
Start	1	End	14350
Name	OJ000204_08.0317.C11.o3.np	Method	AAT/NAP
Start	5639	End	14350
GI	4204276	Score	605
Exons	5639..5695, 5939..6051, 6795..6870, 6955..7100, 7169..7315, 7412..7511, 7789..7911, 7987..8223, 8296..8406, 8531..8704, 8944..9123, 9231..9383, 10053..10160, 10564..10706, 11134..11275, 12188..12277, 12683..12914, 13000..13132, 13324..13560, 13641..13783, 14150..14350		
GI Descrip.	(AC004146) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47706	Seq. ID	OJ000224_06.0317.C1
Gene No.	101526	Strand	+
Start	765	End	1411
Name	OJ000224_06.0317.C1.o1.np	Method	AAT/NAP
Start	765	End	1411
GI	4680203	Score	262
Exons	765..1411		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	47706	Seq. ID	OJ000224_06.0317.C1
Gene No.	101526	Strand	+
Start	765	End	1411
Name	OJ000224_06.0317.C1.o1.ts	Method	TBLASTX:Soybean
Start	1208	End	1411
GI	none	Score	46
Exons	1208..1246, 1209..1238, 1223..1393, 1244..1411, 1245..1409		

Seq. No.	47707	Seq. ID	OJ000224_06.0317.C2
Gene No.	101527	Strand	+
Start	1	End	7401
Name	OJ000224_06.0317.C2.o1.np	Method	AAT/NAP
Start	1	End	2135
GI	6742729	Score	1026
Exons	1..460, 1204..2135		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	47707	Seq. ID	OJ000224_06.0317.C2
Gene No.	101527	Strand	+
Start	1	End	7401
Name	OJ000224_06.0317.C2.o1.gs	Method	GENSCAN
Start	308	End	923
GI	none	Score	.46
Exons	308..455, 802..923		

Seq. No.	47707	Seq. ID	OJ000224_06.0317.C2
Gene No.	101527	Strand	+
Start	1	End	7401
Name	OJ000224_06.0317.C2.o2.gs	Method	GENSCAN
Start	1345	End	5971
GI	none	Score	.69
Exons	1345..1816, 2093..2394, 2434..2520, 3328..3803, 4293..4722, 4809..5072, 5295..5432, 5840..5971		

Seq. No.	47707	Seq. ID	OJ000224_06.0317.C2
Gene No.	101527	Strand	+
Start	1	End	7401
Name	OJ000224_06.0317.C2.o3.np	Method	AAT/NAP
Start	2321	End	7401
GI	4680204	Score	109
Exons	2321..2344, 3525..3824, 6817..6917, 7368..7401		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	47707	Seq. ID	OJ000224_06.0317.C2
Gene No.	101527	Strand	+
Start	1	End	7401
Name	OJ000224_06.0317.C2.o2.np	Method	AAT/NAP

Start	3336	End	4895
GI	100210	Score	203
Exons	3336..3819, 4831..4895		
GI Descrip.	extensin precursor (clone Tom L-4) - tomato gi|170444 (M76671) extensin (class II) [Lycopersicon esculentum]		

Seq. No.	47707	Seq. ID	OJ000224_06.0317.C2
Gene No.	101527	Strand	+
Start	1	End	7401
Name	OJ000224_06.0317.C2.o4.np	Method	AAT/NAP
Start	5891	End	7401
GI	7363272	Score	347
Exons	5891..5958, 6707..7038, 7257..7401		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	47707	Seq. ID	OJ000224_06.0317.C2
Gene No.	101528	Strand	-
Start	6686	End	7316
Name	OJ000224_06.0317.C2.o2.tm	Method	TBLASTX:Maize
Start	212	End	427
GI	none	Score	192
Exons	212..412, 248..427		

Seq. No.	47707	Seq. ID	OJ000224_06.0317.C2
Gene No.	101528	Strand	-
Start	6686	End	7316
Name	OJ000224_06.0317.C2.o2.ts	Method	TBLASTX:Soybean
Start	1264	End	1647
GI	none	Score	81
Exons	1264..1392, 1402..1647, 1521..1646		

Seq. No.	47707	Seq. ID	OJ000224_06.0317.C2
Gene No.	101528	Strand	-
Start	6686	End	7316
Name	OJ000224_06.0317.C2.o1.tw	Method	TBLASTX:Wheat
Start	1303	End	2553
GI	none	Score	523
Exons	1303..1845, 1347..1847, 1852..2052, 2049..2189, 2058..2189, 2062..2190, 2206..2256, 2263..2310, 2328..2420, 2329..2427, 2434..2553		

Seq. No.	47707	Seq. ID	OJ000224_06.0317.C2
Gene No.	101528	Strand	-
Start	6686	End	7316
Name	OJ000224_06.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	1344	End	1659
GI	none	Score	307
Exons	1344..1640, 1345..1659		

Seq. No.	47707	Seq. ID	OJ000224_06.0317.C2
Gene No.	101528	Strand	-
Start	6686	End	7316
Name	OJ000224_06.0317.C2.o1.tc	Method	TBLASTX:Cress
Start	1590	End	2016
GI	none	Score	231
Exons	1590..1847, 1594..1845, 1852..2016		

Seq. No.	47707	Seq. ID	OJ000224_06.0317.C2
Gene No.	101528	Strand	-
Start	6686	End	7316
Name	OJ000224_06.0317.C2.o1.ts	Method	TBLASTX:Soybean
Start	2242	End	2490
GI	none	Score	223
Exons	2242..2490, 2244..2426		

Seq. No.	47707	Seq. ID	OJ000224_06.0317.C2
Gene No.	101528	Strand	-
Start	6686	End	7316
Name	OJ000224_06.0317.C2.o3.gs	Method	GENSCAN
Start	6686	End	7316
GI	none	Score	.97
Exons	6686..7179, 7224..7316		

Seq. No.	47708	Seq. ID	OJ000224_06.0317.C3
Gene No.	101529	Strand	+
Start	468	End	1845
Name	OJ000224_06.0317.C3.o1.gs	Method	GENSCAN
Start	468	End	1845
GI	none	Score	.66
Exons	468..1023, 1184..1272, 1459..1643, 1729..1845		

Seq. No.	47708	Seq. ID	OJ000224_06.0317.C3
Gene No.	101530	Strand	-
Start	3740	End	5399
Name	OJ000224_06.0317.C3.o2.gs	Method	GENSCAN
Start	3740	End	5399
GI	none	Score	.55
Exons	3740..4232, 4747..5028, 5121..5231, 5284..5399		

Seq. No.	47709	Seq. ID	OJ000224_06.0317.C4
Gene No.	101531	Strand	+
Start	1	End	1489
Name	OJ000224_06.0317.C4.o1.np	Method	AAT/NAP
Start	1	End	1489
GI	6730740	Score	77
Exons	1..22, 1299..1489		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	47709	Seq. ID	OJ000224_06.0317.C4
Gene No.	101532	Strand	-
Start	1265	End	2020
Name	OJ000224_06.0317.C4.o1.gs	Method	GENSCAN
Start	1265	End	2020
GI	none	Score	.53
Exons	1265..2020		

Seq. No.	47710	Seq. ID	OJ000224_06.0317.C5
Gene No.	101533	Strand	+
Start	5005	End	6307
Name	OJ000224_06.0317.C5.o2.gs	Method	GENSCAN
Start	5005	End	6307
GI	none	Score	.88
Exons	5005..5071, 5108..5143, 6168..6307		

Seq. No.	47710	Seq. ID	OJ000224_06.0317.C5
Gene No.	101534	Strand	-
Start	2045	End	2794
Name	OJ000224_06.0317.C5.o1.np	Method	AAT/NAP
Start	1078	End	2794
GI	6907086	Score	992
Exons	1078..1550, 1780..1959, 2020..2794		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47710	Seq. ID	OJ000224_06.0317.C5
Gene No.	101534	Strand	-
Start	2045	End	2794
Name	OJ000224_06.0317.C5.o1.gs	Method	GENSCAN
Start	2045	End	2566
GI	none	Score	.98
Exons	2045..2566		

Seq. No.	47710	Seq. ID	OJ000224_06.0317.C5
Gene No.	101535	Strand	-
Start	3693	End	6502
Name	OJ000224_06.0317.C5.o3.np	Method	AAT/NAP
Start	3693	End	6502
GI	7340860	Score	92
Exons	3693..3786, 5116..5215, 6460..6502		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47710	Seq. ID	OJ000224_06.0317.C5
Gene No.	101535	Strand	-
Start	3693	End	6502
Name	OJ000224_06.0317.C5.o2.np	Method	AAT/NAP
Start	3732	End	6377
GI	4680186	Score	194
Exons	3732..3906, 4378..4453, 6333..6377		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47711	Seq. ID	OJ000224_06.0317.C6
Gene No.	101536	Strand	-
Start	564	End	847
Name	OJ000224_06.0317.C6.o1.gs	Method	GENSCAN
Start	564	End	847
GI	none	Score	.55
Exons	564..631, 727..847		

Seq. No.	47712	Seq. ID	OJ000224_06.0317.C7
Gene No.	101537	Strand	+
Start	9123	End	9214
Name	OJ000224_06.0317.C7.o2.gp	Method	AAT/GAP
Start	9123	End	9214
GI	LIB3477-003-P1-K1-E9	Score	106
Exons	9123..9214		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47712	Seq. ID	OJ000224_06.0317.C7
Gene No.	101538	Strand	+

Start	11853	End	12132
Name	OJ000224_06.0317.C7.o3.np	Method	AAT/NAP
Start	11853	End	12132
GI	7484961	Score	67
Exons	11853..12132		
GI Descrip.	extensin homolog T9E8.80 - Arabidopsis thaliana gi|4584539|emb|CAB40769.1| (AL049608) extensin-like protein [Arabidopsis thaliana] gi|7268037|emb|CAB78376.1| (AL161536) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	47712	Seq. ID	OJ000224_06.0317.C7
Gene No.	101539	Strand	-
Start	4138	End	9692
Name	OJ000224_06.0317.C7.o2.gs	Method	GENSCAN
Start	4138	End	7819
GI	none	Score	.74
Exons	4138..4166, 5249..5469, 5580..5728, 5766..5987, 6643..6774, 7269..7430, 7437..7519, 7618..7819		

Seq. No.	47712	Seq. ID	OJ000224_06.0317.C7
Gene No.	101539	Strand	-
Start	4138	End	9692
Name	OJ000224_06.0317.C7.o1.np	Method	AAT/NAP
Start	5497	End	9692
GI	6539570	Score	281
Exons	5497..5659, 5784..5858, 7354..7494, 9251..9331, 9490..9692		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	47712	Seq. ID	OJ000224_06.0317.C7
Gene No.	101539	Strand	-
Start	4138	End	9692
Name	OJ000224_06.0317.C7.o1.gp	Method	AAT/GAP
Start	5633	End	5979
GI	4879000	Score	642
Exons	5633..5979		

Seq. No.	47712	Seq. ID	OJ000224_06.0317.C7
Gene No.	101540	Strand	-
Start	9819	End	11163
Name	OJ000224_06.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	2294	End	2703
GI	none	Score	76
Exons	2294..2353, 2394..2549, 2411..2551, 2413..2568, 2413..2532, 2417..2548, 2555..2578, 2590..2652, 2591..2650, 2658..2702, 2662..2703		

Seq. No.	47712	Seq. ID	OJ000224_06.0317.C7
Gene No.	101540	Strand	-
Start	9819	End	11163
Name	OJ000224_06.0317.C7.o2.np	Method	AAT/NAP
Start	9819	End	11163
GI	6630699	Score	69
Exons	9819..9924, 11124..11163		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47713	Seq. ID	OJ000224_06.0317.C8
Gene No.	101541	Strand	+
Start	937	End	1318
Name	OJ000224_06.0317.C8.o1.gp	Method	AAT/GAP
Start	937	End	1318
GI	uC-osflcyp033a04b1	Score	671
Exons	937..1318		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47713	Seq. ID	OJ000224_06.0317.C8
Gene No.	101542	Strand	-
Start	870	End	3409
Name	OJ000224_06.0317.C8.o1.np	Method	AAT/NAP
Start	870	End	3409
GI	4680186	Score	371
Exons	870..1070, 1909..1963, 3225..3409		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47714	Seq. ID	OJ000224_06.0317.C10
Gene No.	101543	Strand	+
Start	1100	End	1216
Name	OJ000224_06.0317.C10.o1.gs	Method	GENSCAN
Start	1100	End	1216
GI	none	Score	.68
Exons	1100..1216		

Seq. No.	47714	Seq. ID	OJ000224_06.0317.C10
Gene No.	101544	Strand	+
Start	6393	End	6887
Name	OJ000224_06.0317.C10.o1.gp	Method	AAT/GAP
Start	6393	End	6887
GI	none	Score	491
Exons	6393..6573, 6737..6887		

Seq. No.	47714	Seq. ID	OJ000224_06.0317.C10
Gene No.	101545	Strand	-
Start	1328	End	2425
Name	OJ000224_06.0317.C10.o2.gs	Method	GENSCAN
Start	1328	End	2425
GI	none	Score	.85
Exons	1328..1549, 2336..2425		

Seq. No.	47714	Seq. ID	OJ000224_06.0317.C10
Gene No.	101546	Strand	-
Start	4120	End	7294
Name	OJ000224_06.0317.C10.o1.tw	Method	TBLASTX:Wheat
Start	2446	End	6654
GI	none	Score	57
Exons	2446..2583, 5541..5765, 6184..6654, 6254..6571		

Seq. No.	47714	Seq. ID	OJ000224_06.0317.C10
Gene No.	101546	Strand	-
Start	4120	End	7294
Name	OJ000224_06.0317.C10.o3.gs	Method	GENSCAN
Start	4120	End	6906
GI	none	Score	.78

Exons	4120..4507, 4952..5012, 5576..5753, 5830..5917, 5996..6362, 6702..6906		
Seq. No.	47714	Seq. ID	OJ000224_06.0317.C10
Gene No.	101546	Strand	-
Start	4120	End	7294
Name	OJ000224_06.0317.C10.o1.np	Method	AAT/NAP
Start	6175	End	7294
GI	5911167	Score	877
Exons	6175..7035, 7196..7294		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		
Seq. No.	47714	Seq. ID	OJ000224_06.0317.C10
Gene No.	101546	Strand	-
Start	4120	End	7294
Name	OJ000224_06.0317.C10.o1.tm	Method	TBLASTX:Maize
Start	6263	End	6741
GI	none	Score	189
Exons	6263..6712, 6265..6741		
Seq. No.	47714	Seq. ID	OJ000224_06.0317.C10
Gene No.	101546	Strand	-
Start	4120	End	7294
Name	OJ000224_06.0317.C10.o1.ts	Method	TBLASTX:Soybean
Start	6313	End	6717
GI	none	Score	152
Exons	6313..6555, 6314..6559, 6565..6717, 6586..6702		
Seq. No.	47714	Seq. ID	OJ000224_06.0317.C10
Gene No.	101546	Strand	-
Start	4120	End	7294
Name	OJ000224_06.0317.C10.o2.tm	Method	TBLASTX:Maize
Start	6787	End	7023
GI	none	Score	44
Exons	6787..7020, 6796..6840, 6803..7018, 6868..7023		
Seq. No.	47715	Seq. ID	OJ000224_06.0317.C11
Gene No.	101547	Strand	+
Start	79	End	192
Name	OJ000224_06.0317.C11.o1.gs	Method	GENSCAN
Start	79	End	192
GI	none	Score	.48
Exons	79..192		
Seq. No.	47715	Seq. ID	OJ000224_06.0317.C11
Gene No.	101548	Strand	-
Start	2318	End	3225
Name	OJ000224_06.0317.C11.o2.gs	Method	GENSCAN
Start	2318	End	3225
GI	none	Score	.88
Exons	2318..2370, 3099..3225		
Seq. No.	47716	Seq. ID	OJ000224_06.0317.C12
Gene No.	101549	Strand	-
Start	123	End	626
Name	OJ000224_06.0317.C12.o1.gs	Method	GENSCAN
Start	123	End	569

GI	none	Score	.84
Exons	123..370, 449..569		
Seq. No.	47716	Seq. ID	OJ000224_06.0317.C12
Gene No.	101549	Strand	-
Start	123	End	626
Name	OJ000224_06.0317.C12.o1.gp	Method	AAT/GAP
Start	259	End	626
GI	none	Score	390
Exons	259..372, 449..626		
Seq. No.	47717	Seq. ID	OJ000224_06.0317.C15
Gene No.	101550	Strand	+
Start	42	End	1394
Name	OJ000224_06.0317.C15.o1.np	Method	AAT/NAP
Start	42	End	1364
GI	5852182	Score	424
Exons	42..174, 1035..1364		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	47717	Seq. ID	OJ000224_06.0317.C15
Gene No.	101550	Strand	+
Start	42	End	1394
Name	OJ000224_06.0317.C15.o1.gs	Method	GENSCAN
Start	1035	End	1394
GI	none	Score	.56
Exons	1035..1394		
Seq. No.	47718	Seq. ID	OJ000224_06.0317.C16
Gene No.	101551	Strand	+
Start	1	End	2446
Name	OJ000224_06.0317.C16.o1.gp	Method	AAT/GAP
Start	1	End	2445
GI	342_1.R1084	Score	4339
Exons	1..2445		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	47718	Seq. ID	OJ000224_06.0317.C16
Gene No.	101551	Strand	+
Start	1	End	2446
Name	OJ000224_06.0317.C16.o1.ts	Method	TBLASTX:Soybean
Start	65	End	361
GI	none	Score	246
Exons	65..361, 119..343		
Seq. No.	47718	Seq. ID	OJ000224_06.0317.C16
Gene No.	101551	Strand	+
Start	1	End	2446
Name	OJ000224_06.0317.C16.o2.tc	Method	TBLASTX:Cress
Start	94	End	403
GI	none	Score	281
Exons	94..246, 101..403, 286..381		
Seq. No.	47718	Seq. ID	OJ000224_06.0317.C16
Gene No.	101551	Strand	+
Start	1	End	2446

Name	OJ000224_06.0317.C16.o1.np	Method	AAT/NAP
Start	122	End	2080
GI	6742729	Score	3134
Exons	122..2080		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	47718	Seq. ID	OJ000224_06.0317.C16
Gene No.	101551	Strand	+
Start	1	End	2446
Name	OJ000224_06.0317.C16.o2.tw	Method	TBLASTX:Wheat
Start	230	End	697
GI	none	Score	72
Exons	230..283, 238..282, 284..388, 295..384, 404..487, 405..488, 407..490, 454..489, 468..692, 488..697, 489..692, 491..697		

Seq. No.	47718	Seq. ID	OJ000224_06.0317.C16
Gene No.	101551	Strand	+
Start	1	End	2446
Name	OJ000224_06.0317.C16.o2.tm	Method	TBLASTX:Maize
Start	275	End	731
GI	none	Score	101
Exons	275..403, 287..406, 405..527, 408..527, 537..731		

Seq. No.	47718	Seq. ID	OJ000224_06.0317.C16
Gene No.	101551	Strand	+
Start	1	End	2446
Name	OJ000224_06.0317.C16.o2.ts	Method	TBLASTX:Soybean
Start	561	End	803
GI	none	Score	201
Exons	561..803, 566..619, 671..727		

Seq. No.	47718	Seq. ID	OJ000224_06.0317.C16
Gene No.	101551	Strand	+
Start	1	End	2446
Name	OJ000224_06.0317.C16.o3.tw	Method	TBLASTX:Wheat
Start	836	End	1244
GI	none	Score	87
Exons	836..886, 837..899, 885..1127, 905..1126, 1155..1235, 1160..1240, 1161..1244		

Seq. No.	47718	Seq. ID	OJ000224_06.0317.C16
Gene No.	101551	Strand	+
Start	1	End	2446
Name	OJ000224_06.0317.C16.o1.tw	Method	TBLASTX:Wheat
Start	1244	End	2446
GI	none	Score	554
Exons	1244..1876, 1248..1673, 1573..1692, 1716..2090, 1833..2087, 2015..2095, 2083..2127, 2136..2177, 2138..2182, 2141..2182, 2185..2310, 2189..2248, 2227..2367, 2228..2368, 2380..2445, 2381..2446		

Seq. No.	47718	Seq. ID	OJ000224_06.0317.C16
Gene No.	101551	Strand	+
Start	1	End	2446
Name	OJ000224_06.0317.C16.o1.tm	Method	TBLASTX:Maize
Start	1290	End	1604
GI	none	Score	314

Exons	1290..1604, 1301..1576		
Seq. No.	47718	Seq. ID	OJ000224_06.0317.C16
Gene No.	101551	Strand	+
Start	1	End	2446
Name	OJ000224_06.0317.C16.o1.tc	Method	TBLASTX:Cress
Start	1535	End	1982
GI	none	Score	169
Exons	1535..1876, 1539..1673, 1540..1692, 1716..1982		
Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101552	Strand	+
Start	95	End	4696
Name	OJ000224_06.0317.C17.o1.gs	Method	GENSCAN
Start	95	End	4696
GI	none	Score	.51
Exons	95..170, 291..327, 964..2242, 2324..2407, 2503..2644, 2770..2912, 2914..3483, 3526..3599, 3706..3879, 3974..4084, 4169..4241, 4514..4696		
Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101553	Strand	+
Start	6603	End	9827
Name	OJ000224_06.0317.C17.o1.np	Method	AAT/NAP
Start	6603	End	9824
GI	5803259	Score	4184
Exons	6603..7864, 7958..9824		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101553	Strand	+
Start	6603	End	9827
Name	OJ000224_06.0317.C17.o3.gs	Method	GENSCAN
Start	6603	End	9827
GI	none	Score	.94
Exons	6603..9827		
Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101554	Strand	+
Start	16692	End	16772
Name	OJ000224_06.0317.C17.o3.np	Method	AAT/NAP
Start	16692	End	16772
GI	5922623	Score	88
Exons	16692..16772		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101555	Strand	-
Start	10460	End	16615
Name	OJ000224_06.0317.C17.o2.np	Method	AAT/NAP
Start	10460	End	16615
GI	7228457	Score	9246
Exons	10460..12010, 12077..13228, 13351..14185, 14249..16184, 16249..16615		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o7.tw	Method	TBLASTX:Wheat
Start	1614	End	2017
GI	none	Score	223
Exons	1614..1724, 1616..1852, 1616..1810, 1717..1857, 1847..2017, 1900..2016		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o10.tw	Method	TBLASTX:Wheat
Start	2018	End	3181
GI	none	Score	64
Exons	2018..2098, 2339..2413, 2482..2715, 2496..2588, 3098..3181		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o4.tm	Method	TBLASTX:Maize
Start	10431	End	10600
GI	none	Score	126
Exons	10431..10595, 10433..10600		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o8.tw	Method	TBLASTX:Wheat
Start	10469	End	11071
GI	none	Score	83
Exons	10469..10594, 10473..10595, 10787..11071, 10788..11066		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o4.tw	Method	TBLASTX:Wheat
Start	11072	End	11453
GI	none	Score	163
Exons	11072..11452, 11103..11351, 11397..11453		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o2.tm	Method	TBLASTX:Maize
Start	11267	End	11590
GI	none	Score	191
Exons	11267..11590, 11280..11561		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o9.tw	Method	TBLASTX:Wheat
Start	11783	End	12095

GI	none	Score	71
Exons	11783..12043, 11784..12095		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o2.ts	Method	TBLASTX:Soybean
Start	11843	End	12409
GI	5666795	Score	68
Exons	11843..12043, 12098..12235, 12311..12409		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o5.tw	Method	TBLASTX:Wheat
Start	12098	End	12556
GI	none	Score	88
Exons	12098..12238, 12099..12236, 12101..12238, 12294..12464, 12308..12556, 12308..12532		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o1.ts	Method	TBLASTX:Soybean
Start	13157	End	13528
GI	none	Score	90
Exons	13157..13528, 13368..13511		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o2.tw	Method	TBLASTX:Wheat
Start	13182	End	13606
GI	none	Score	323
Exons	13182..13601, 13187..13606		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o3.tm	Method	TBLASTX:Maize
Start	13280	End	13664
GI	none	Score	221
Exons	13280..13663, 13299..13664		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o1.tm	Method	TBLASTX:Maize
Start	13691	End	14047
GI	none	Score	104
Exons	13691..13924, 13691..14047, 13701..14012		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o1.tw	Method	TBLASTX:Wheat

Start	13715	End	14178
GI	none	Score	401
Exons	13715..14176, 13716..14177, 13735..14178		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o3.ts	Method	TBLASTX:Soybean
Start	13772	End	14137
GI	none	Score	117
Exons	13772..13906, 13913..14137		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o3.tw	Method	TBLASTX:Wheat
Start	14342	End	14828
GI	none	Score	172
Exons	14342..14827, 14346..14633, 14655..14828		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o6.tw	Method	TBLASTX:Wheat
Start	15566	End	15958
GI	none	Score	89
Exons	15566..15823, 15600..15839, 15806..15904, 15807..15887, 15911..15958		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o5.tm	Method	TBLASTX:Maize
Start	15668	End	15953
GI	none	Score	103
Exons	15668..15916, 15669..15953		

Seq. No.	47719	Seq. ID	OJ000224_06.0317.C17
Gene No.	101556	Strand	-
Start	16853	End	17014
Name	OJ000224_06.0317.C17.o4.np	Method	AAT/NAP
Start	16853	End	17014
GI	5042454	Score	75
Exons	16853..17014		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47720	Seq. ID	OJ000224_06.0317.C19
Gene No.	101557	Strand	-
Start	689	End	1897
Name	OJ000224_06.0317.C19.o1.gs	Method	GENSCAN
Start	689	End	1897
GI	none	Score	.46
Exons	689..826, 1787..1897		

Seq. No.	47721	Seq. ID	OJ000224_06.0317.C20
Gene No.	101558	Strand	+
Start	1	End	2722

Name	OJ000224_06.0317.C20.o1.np	Method	AAT/NAP
Start	1	End	2722
GI	3935172	Score	48
Exons	1..52, 1051..1215, 2698..2722		
GI Descrip.	(AC004557) F17L21.15 [Arabidopsis thaliana] gi|5931665|emb|CAB56586.1| (AJ011634) squamosa promoter binding protein-like 11 [Arabidopsis thaliana] gi|5931667|emb|CAB56587.1| (AJ011635) squamosa promoter binding protein-like 11 [Arabidopsis thaliana]		

Seq. No.	47721	Seq. ID	OJ000224_06.0317.C20
Gene No.	101558	Strand	+
Start	1	End	2722
Name	OJ000224_06.0317.C20.o1.gp	Method	AAT/GAP
Start	14	End	1591
GI	none	Score	1312
Exons	14..212, 522..606, 1051..1184, 1268..1591		

Seq. No.	47721	Seq. ID	OJ000224_06.0317.C20
Gene No.	101558	Strand	+
Start	1	End	2722
Name	OJ000224_06.0317.C20.o1.gs	Method	GENSCAN
Start	522	End	1902
GI	none	Score	.89
Exons	522..575, 1268..1358, 1778..1902		

Seq. No.	47721	Seq. ID	OJ000224_06.0317.C20
Gene No.	101558	Strand	+
Start	1	End	2722
Name	OJ000224_06.0317.C20.o1.tm	Method	TBLASTX:Maize
Start	1587	End	1743
GI	none	Score	175
Exons	1587..1697, 1589..1705, 1590..1706, 1698..1736, 1699..1737, 1702..1743		

Seq. No.	47722	Seq. ID	OJ000224_06.0317.C22
Gene No.	101559	Strand	-
Start	1	End	440
Name	OJ000224_06.0317.C22.o1.np	Method	AAT/NAP
Start	1	End	376
GI	5091503	Score	54
Exons	1..59, 348..376		
GI Descrip.	(AB023482) EST AU055776(S20048) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana AP2 domain containing protein RAP2.10 mRNA, partial cds.(AF003103) [Oryza sativa]		

Seq. No.	47722	Seq. ID	OJ000224_06.0317.C22
Gene No.	101559	Strand	-
Start	1	End	440
Name	OJ000224_06.0317.C22.o1.gs	Method	GENSCAN
Start	45	End	440
GI	none	Score	.74
Exons	45..133, 236..440		

Seq. No.	47723	Seq. ID	OJ000214_05.0303.C1
Gene No.	101560	Strand	-

Start	30	End	3113
Name	OJ000214_05.0303.C1.o1.gs	Method	GENSCAN
Start	30	End	3113
GI	none	Score	.48
Exons	30..1075, 1185..1697, 2903..3113		

Seq. No.	47723	Seq. ID	OJ000214_05.0303.C1
Gene No.	101560	Strand	-
Start	30	End	3113
Name	OJ000214_05.0303.C1.o1.np	Method	AAT/NAP
Start	174	End	1055
GI	3982618	Score	744
Exons	174..1055		
GI Descrip.	(AF056153) disease resistance gene analog PIC13 [Zea mays]		

Seq. No.	47723	Seq. ID	OJ000214_05.0303.C1
Gene No.	101560	Strand	-
Start	30	End	3113
Name	OJ000214_05.0303.C1.o1.ts	Method	TBLASTX:Soybean
Start	225	End	584
GI	none	Score	172
Exons	225..584, 226..582		

Seq. No.	47723	Seq. ID	OJ000214_05.0303.C1
Gene No.	101560	Strand	-
Start	30	End	3113
Name	OJ000214_05.0303.C1.o1.tm	Method	TBLASTX:Maize
Start	303	End	701
GI	none	Score	93
Exons	303..644, 361..606, 639..701		

Seq. No.	47723	Seq. ID	OJ000214_05.0303.C1
Gene No.	101560	Strand	-
Start	30	End	3113
Name	OJ000214_05.0303.C1.o1.tc	Method	TBLASTX:Cress
Start	351	End	1101
GI	none	Score	60
Exons	351..464, 480..614, 511..606, 639..701, 795..854, 852..1001, 987..1097, 1027..1101		

Seq. No.	47724	Seq. ID	OJ000214_05.0303.C2
Gene No.	101561	Strand	+
Start	327	End	1725
Name	OJ000214_05.0303.C2.o1.gs	Method	GENSCAN
Start	327	End	1725
GI	none	Score	.87
Exons	327..371, 1402..1725		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o1.gp	Method	AAT/GAP
Start	97	End	889
GI	602_1.R1084	Score	1231
Exons	97..889		
GI Descrip.	'1172818/sp|P46294|RS16_ORYSA 2.0e-73 40S RIBOSOMAL PROTEIN S16 >gi_538428 (L36313) ribosomal protein S16 [Oryza sativa]		

>gi_1096552_prf__2111468A ribosomal protein S16 [Oryza sativa]'

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o2.tm	Method	TBLASTX:Maize
Start	183	End	795
GI	none	Score	38
Exons	183..242, 292..333, 338..427, 366..794, 367..795, 526..795		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o1.gs	Method	GENSCAN
Start	375	End	4039
GI	none	Score	.58
Exons	375..793, 1105..1285, 3593..4039		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	375	End	789
GI	none	Score	388
Exons	375..788, 376..789		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o1.tc	Method	TBLASTX:Cress
Start	375	End	791
GI	none	Score	316
Exons	375..791, 388..789, 564..791		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o1.np	Method	AAT/NAP
Start	378	End	824
GI	1172818	Score	749
Exons	378..824		
GI Descrip.	40S RIBOSOMAL PROTEIN S16 gi|7440266|pir||T04083 probable ribosomal protein S16 - rice gi|538428|gb|AAA33916.1| (L36313) ribosomal protein S16 [Oryza sativa] gi|1096552|prf||2111468A ribosomal protein S16 [Oryza sativa]		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o2.tw	Method	TBLASTX:Wheat
Start	522	End	795
GI	none	Score	290
Exons	522..794, 523..795		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280

Name	OJ000214_05.0303.C3.o3.tm	Method	TBLASTX:Maize
Start	1098	End	1340
GI	none	Score	95
Exons	1098..1172, 1098..1136, 1188..1247, 1208..1339, 1233..1340		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o3.tc	Method	TBLASTX:Cress
Start	1107	End	1368
GI	none	Score	108
Exons	1107..1247, 1107..1136, 1208..1339, 1216..1368, 1233..1340		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o2.gp	Method	AAT/GAP
Start	3177	End	3581
GI	none	Score	738
Exons	3177..3581		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o2.np	Method	AAT/NAP
Start	3491	End	4280
GI	6967106	Score	618
Exons	3491..4039, 4262..4280		
GI Descrip.	(AL132953) putative protein [Arabidopsis thaliana]		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	3518	End	4042
GI	none	Score	608
Exons	3518..4042, 3519..4040, 3754..4041		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o2.tc	Method	TBLASTX:Cress
Start	3536	End	4040
GI	none	Score	262
Exons	3536..4039, 3606..4040		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o3.ts	Method	TBLASTX:Soybean
Start	3545	End	3793
GI	none	Score	115
Exons	3545..3793, 3555..3791, 3590..3793		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280

Name	OJ000214_05.0303.C3.o3.gp	Method	AAT/GAP
Start	3594	End	4025
GI	LIB3431-003-P1-K1-G5	Score	810
Exons	3594..4025		
GI Descrip.	'6091757/gb|AAF03467.1|AC009327_6 2.0e-51 (AC009327) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o1.tw	Method	TBLASTX:Wheat
Start	3654	End	4024
GI	none	Score	237
Exons	3654..3989, 3656..4024		

Seq. No.	47725	Seq. ID	OJ000214_05.0303.C3
Gene No.	101562	Strand	-
Start	97	End	4280
Name	OJ000214_05.0303.C3.o2.ts	Method	TBLASTX:Soybean
Start	3794	End	4055
GI	none	Score	112
Exons	3794..3958, 3794..4054, 3831..4055		

Seq. No.	47726	Seq. ID	OJ000214_05.0303.C5
Gene No.	101563	Strand	+
Start	2599	End	5183
Name	OJ000214_05.0303.C5.o2.gp	Method	AAT/GAP
Start	2599	End	5183
GI	3061099	Score	462
Exons	2599..2630, 2738..2773, 2822..2847, 4583..4685, 4800..4859, 5157..5183		
GI Descrip.	4204260 6.0e-09 (AC005223) 25568 [Arabidopsis thaliana]		

Seq. No.	47726	Seq. ID	OJ000214_05.0303.C5
Gene No.	101564	Strand	-
Start	1	End	4862
Name	OJ000214_05.0303.C5.o1.gp	Method	AAT/GAP
Start	1	End	1424
GI	2492_1.R1084	Score	1397
Exons	1..257, 399..545, 676..739, 862..926, 1158..1424		
GI Descrip.	'4204260 6.0e-09 (AC005223) 25568 [Arabidopsis thaliana]'		

Seq. No.	47726	Seq. ID	OJ000214_05.0303.C5
Gene No.	101564	Strand	-
Start	1	End	4862
Name	OJ000214_05.0303.C5.o1.gs	Method	GENSCAN
Start	130	End	3529
GI	none	Score	.6
Exons	130..257, 417..548, 676..739, 1158..1181, 1229..1399, 1609..1696, 2581..2826, 3513..3529		

Seq. No.	47726	Seq. ID	OJ000214_05.0303.C5
Gene No.	101564	Strand	-
Start	1	End	4862
Name	OJ000214_05.0303.C5.o1.np	Method	AAT/NAP
Start	215	End	1862
GI	4567284	Score	210

Exons	215..281, 383..548, 649..778, 862..926, 1158..1291, 1512..1575, 1784..1862		
GI Descrip.	(AC006841) unknown protein [Arabidopsis thaliana]		
Seq. No.	47726	Seq. ID	OJ000214_05.0303.C5
Gene No.	101564	Strand	-
Start	1	End	4862
Name	OJ000214_05.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	2807	End	4862
GI	none	Score	65
Exons	2807..2848, 4570..4680, 4581..4685, 4584..4691, 4794..4862, 4799..4861		
Seq. No.	47727	Seq. ID	OJ000214_05.0303.C7
Gene No.	101565	Strand	+
Start	1813	End	2253
Name	OJ000214_05.0303.C7.o1.gs	Method	GENSCAN
Start	1813	End	2253
GI	none	Score	.83
Exons	1813..2253		
Seq. No.	47727	Seq. ID	OJ000214_05.0303.C7
Gene No.	101566	Strand	+
Start	6423	End	10675
Name	OJ000214_05.0303.C7.o2.np	Method	AAT/NAP
Start	6266	End	6501
GI	5257279	Score	158
Exons	6266..6501		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	47727	Seq. ID	OJ000214_05.0303.C7
Gene No.	101566	Strand	+
Start	6423	End	10675
Name	OJ000214_05.0303.C7.o3.gs	Method	GENSCAN
Start	6423	End	10675
GI	none	Score	.84
Exons	6423..6500, 8719..8745, 9086..9161, 9664..9892, 9979..10025, 10292..10366, 10401..10675		
Seq. No.	47727	Seq. ID	OJ000214_05.0303.C7
Gene No.	101566	Strand	+
Start	6423	End	10675
Name	OJ000214_05.0303.C7.o1.gp	Method	AAT/GAP
Start	7975	End	8496
GI	LIB3434-038-P1-K1-F1	Score	780
Exons	7975..8496		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	47727	Seq. ID	OJ000214_05.0303.C7
Gene No.	101567	Strand	+
Start	16101	End	18388
Name	OJ000214_05.0303.C7.o4.gs	Method	GENSCAN
Start	16101	End	18388
GI	none	Score	.52
Exons	16101..16110, 16440..16694, 16795..16835, 16950..17009,		

17372..17389, 18070..18226, 18336..18388

Seq. No.	47727	Seq. ID	OJ000214_05.0303.C7
Gene No.	101568	Strand	-
Start	835	End	1289
Name	OJ000214_05.0303.C7.o1.np	Method	AAT/NAP
Start	835	End	1289
GI	7523502	Score	123
Exons	835..906, 1196..1289		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47727	Seq. ID	OJ000214_05.0303.C7
Gene No.	101569	Strand	-
Start	4082	End	5828
Name	OJ000214_05.0303.C7.o2.gs	Method	GENSCAN
Start	4082	End	5828
GI	none	Score	.46
Exons	4082..4134, 4293..4462, 5719..5828		

Seq. No.	47728	Seq. ID	OJ000214_05.0303.C10
Gene No.	101570	Strand	-
Start	1	End	2436
Name	OJ000214_05.0303.C10.o1.np	Method	AAT/NAP
Start	1	End	2436
GI	7021736	Score	496
Exons	1..43, 1491..1555, 1821..2128, 2256..2436		
GI Descrip.	(AC024081) putative jasmonic acid regulatory protein [Arabidopsis thaliana]		

Seq. No.	47728	Seq. ID	OJ000214_05.0303.C10
Gene No.	101570	Strand	-
Start	1	End	2436
Name	OJ000214_05.0303.C10.o1.gs	Method	GENSCAN
Start	854	End	2427
GI	none	Score	.88
Exons	854..1555, 1821..2128, 2256..2427		

Seq. No.	47728	Seq. ID	OJ000214_05.0303.C10
Gene No.	101570	Strand	-
Start	1	End	2436
Name	OJ000214_05.0303.C10.o1.gp	Method	AAT/GAP
Start	1000	End	1486
GI	uC-osf1M202052a02b1	Score	788
Exons	1000..1486		
GI Descrip.	'4868375/gb|AAD31285.1|AF139807_1 1.0e-29 (AF139807) nod factor binding lectin-nucleotide phosphohydrolase [Dolichos biflorus]'		

Seq. No.	47728	Seq. ID	OJ000214_05.0303.C10
Gene No.	101571	Strand	-
Start	4159	End	4858
Name	OJ000214_05.0303.C10.o1.tc	Method	TBLASTX:Cress
Start	1514	End	2404
GI	none	Score	49
Exons	1514..1558, 1887..2141, 1888..1917, 1957..2142, 2252..2404, 2257..2403		

Seq. No.	47728	Seq. ID	OJ000214_05.0303.C10

Gene No.	101571	Strand	-
Start	4159	End	4858
Name	OJ000214_05.0303.C10.o1.tm	Method	TBLASTX:Maize
Start	1887	End	2443
GI	none	Score	66
Exons	1887..1985, 1889..1960, 1998..2141, 2000..2143, 2005..2142, 2257..2421, 2260..2397, 2267..2443		

Seq. No.	47728	Seq. ID	OJ000214_05.0303.C10
Gene No.	101571	Strand	-
Start	4159	End	4858
Name	OJ000214_05.0303.C10.o1.tw	Method	TBLASTX:Wheat
Start	1887	End	2121
GI	none	Score	47
Exons	1887..1973, 1891..1917, 1895..1972, 1925..1984, 1960..2121, 1979..2119, 1995..2120		

Seq. No.	47728	Seq. ID	OJ000214_05.0303.C10
Gene No.	101571	Strand	-
Start	4159	End	4858
Name	OJ000214_05.0303.C10.o1.ts	Method	TBLASTX:Soybean
Start	1887	End	2437
GI	none	Score	56
Exons	1887..1979, 1888..1980, 1888..1980, 1989..2141, 1999..2142, 2252..2437, 2257..2397		

Seq. No.	47728	Seq. ID	OJ000214_05.0303.C10
Gene No.	101571	Strand	-
Start	4159	End	4858
Name	OJ000214_05.0303.C10.o2.tw	Method	TBLASTX:Wheat
Start	2257	End	4587
GI	none	Score	132
Exons	2257..2397, 2258..2431, 2264..2437, 2343..2438, 4513..4587		

Seq. No.	47728	Seq. ID	OJ000214_05.0303.C10
Gene No.	101571	Strand	-
Start	4159	End	4858
Name	OJ000214_05.0303.C10.o3.gs	Method	GENSCAN
Start	4159	End	4858
GI	none	Score	.7
Exons	4159..4321, 4674..4858		

Seq. No.	47729	Seq. ID	OJ000214_05.0303.C11
Gene No.	101572	Strand	-
Start	1179	End	3309
Name	OJ000214_05.0303.C11.o1.gs	Method	GENSCAN
Start	1179	End	2582
GI	none	Score	.56
Exons	1179..1342, 1807..1898, 2147..2326, 2526..2582		

Seq. No.	47729	Seq. ID	OJ000214_05.0303.C11
Gene No.	101572	Strand	-
Start	1179	End	3309
Name	OJ000214_05.0303.C11.o1.np	Method	AAT/NAP
Start	1179	End	3309
GI	6683666	Score	477
Exons	1179..1392, 1807..1898, 2147..2445, 2526..2582, 3289..3309		

GI Descrip. (AB027616) apyrase [Pisum sativum]

Seq. No.	47729	Seq. ID	OJ000214_05.0303.C11
Gene No.	101572	Strand	-
Start	1179	End	3309
Name	OJ000214_05.0303.C11.o1.tm	Method	TBLASTX:Maize
Start	1185	End	2583
GI	none	Score	127
Exons	1185..1352, 1185..1352, 1246..1353, 1352..1393, 1353..1424, 1787..1846, 1838..1900, 2127..2432, 2129..2431, 2149..2445, 2162..2446, 2521..2583, 2521..2580, 2523..2582		

Seq. No.	47729	Seq. ID	OJ000214_05.0303.C11
Gene No.	101572	Strand	-
Start	1179	End	3309
Name	OJ000214_05.0303.C11.o1.ts	Method	TBLASTX:Soybean
Start	1188	End	2582
GI	none	Score	66
Exons	1188..1343, 1802..1900, 2144..2386, 2149..2301, 2149..2445, 2153..2446, 2523..2582		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101573	Strand	+
Start	39	End	952
Name	OJ000214_05.0303.C12.o1.gs	Method	GENSCAN
Start	39	End	952
GI	none	Score	.97
Exons	39..136, 231..341, 425..497, 592..690, 770..952		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101574	Strand	+
Start	1091	End	1913
Name	OJ000214_05.0303.C12.o1.np	Method	AAT/NAP
Start	1091	End	1913
GI	862343	Score	139
Exons	1091..1136, 1370..1482, 1818..1913		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101574	Strand	+
Start	1091	End	1913
Name	OJ000214_05.0303.C12.o1.gp	Method	AAT/GAP
Start	1143	End	1345
GI	LIB3477-003-P1-K1-E9	Score	131
Exons	1143..1200, 1301..1345		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101575	Strand	+
Start	4116	End	10268
Name	OJ000214_05.0303.C12.o2.np	Method	AAT/NAP
Start	4116	End	10268

GI	7228457	Score	9331
Exons	4116..4482, 4544..6479, 6543..7377, 7500..8651, 8718..10268		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101576	Strand	+
Start	10428	End	10897
Name	OJ000214_05.0303.C12.o3.gp	Method	AAT/GAP
Start	10428	End	10897
GI	2428323	Score	830
Exons	10428..10897		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o4.tm	Method	TBLASTX:Maize
Start	4812	End	5060
GI	none	Score	193
Exons	4812..5060, 4814..5059		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o6.tw	Method	TBLASTX:Wheat
Start	4824	End	5162
GI	none	Score	116
Exons	4824..4922, 4829..4921, 4889..5128, 4905..5162		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o3.tw	Method	TBLASTX:Wheat
Start	5900	End	6386
GI	none	Score	412
Exons	5900..6073, 5901..6386, 6095..6355, 6165..6359		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o1.tw	Method	TBLASTX:Wheat
Start	6551	End	7013
GI	none	Score	583
Exons	6551..7006, 6552..7013, 6552..7007		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o3.ts	Method	TBLASTX:Soybean
Start	6591	End	6956
GI	none	Score	113
Exons	6591..6815, 6822..6956		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12

Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o1.tm	Method	TBLASTX:Maize
Start	6681	End	7037
GI	none	Score	392
Exons	6681..7037, 6716..7027, 6732..7037		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o3.tm	Method	TBLASTX:Maize
Start	7064	End	7417
GI	none	Score	320
Exons	7064..7417, 7065..7409		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o2.tw	Method	TBLASTX:Wheat
Start	7121	End	11659
GI	none	Score	429
Exons	7121..7516, 7122..7541, 11561..11659		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o1.ts	Method	TBLASTX:Soybean
Start	7200	End	7571
GI	none	Score	235
Exons	7200..7571, 7217..7360		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o5.tw	Method	TBLASTX:Wheat
Start	8196	End	8630
GI	none	Score	236
Exons	8196..8447, 8196..8393, 8261..8437, 8481..8630, 8490..8627, 8492..8629		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o2.ts	Method	TBLASTX:Soybean
Start	8319	End	8885
GI	5666795	Score	68
Exons	8319..8417, 8493..8630, 8670..8885		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o8.tw	Method	TBLASTX:Wheat
Start	8633	End	8945
GI	none	Score	195
Exons	8633..8809, 8670..8945		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o2.tm	Method	TBLASTX:Maize
Start	9138	End	9461
GI	none	Score	360
Exons	9138..9461, 9167..9448		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o4.tw	Method	TBLASTX:Wheat
Start	9275	End	9656
GI	none	Score	365
Exons	9275..9331, 9276..9656, 9372..9617, 9377..9625		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o7.tw	Method	TBLASTX:Wheat
Start	9657	End	10259
GI	none	Score	267
Exons	9657..9953, 9657..10073, 10133..10255, 10134..10259		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o3.gs	Method	GENSCAN
Start	10905	End	14164
GI	none	Score	.99
Exons	10905..12807, 12903..14164		

Seq. No.	47730	Seq. ID	OJ000214_05.0303.C12
Gene No.	101577	Strand	-
Start	10905	End	14164
Name	OJ000214_05.0303.C12.o3.np	Method	AAT/NAP
Start	10908	End	14164
GI	5803259	Score	5196
Exons	10908..12807, 12903..14164		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	47731	Seq. ID	OJ000214_05.0303.C13
Gene No.	101578	Strand	+
Start	1	End	3069
Name	OJ000214_05.0303.C13.o2.np	Method	AAT/NAP
Start	1	End	3069
GI	7340868	Score	50
Exons	1..22, 1714..1871, 3047..3069		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	47731	Seq. ID	OJ000214_05.0303.C13
Gene No.	101578	Strand	+
Start	1	End	3069
Name	OJ000214_05.0303.C13.o1.gs	Method	GENSCAN
Start	367	End	2882
GI	none	Score	.56
Exons	367..495, 661..874, 2332..2561, 2784..2882		

Seq. No.	47731	Seq. ID	OJ000214_05.0303.C13
Gene No.	101579	Strand	-
Start	1	End	864
Name	OJ000214_05.0303.C13.o1.np	Method	AAT/NAP
Start	1	End	864
GI	5922623	Score	238
Exons	1..80, 248..402, 780..864		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	47731	Seq. ID	OJ000214_05.0303.C13
Gene No.	101580	Strand	-
Start	5644	End	7101
Name	OJ000214_05.0303.C13.o2.gp	Method	AAT/GAP
Start	5485	End	6125
GI	4715163	Score	896
Exons	5485..5780, 5937..6125		
GI Descrip.	6002631/gb|AAF00071.1|AF093604_1 1.0e-23 (AF093604) apyrase [Arabidopsis thaliana]		

Seq. No.	47731	Seq. ID	OJ000214_05.0303.C13
Gene No.	101580	Strand	-
Start	5644	End	7101
Name	OJ000214_05.0303.C13.o3.np	Method	AAT/NAP
Start	5641	End	7101
GI	6683666	Score	384
Exons	5641..5780, 5937..6120, 6332..6546, 6691..6782, 7061..7101		
GI Descrip.	(AB027616) apyrase [Pisum sativum]		

Seq. No.	47731	Seq. ID	OJ000214_05.0303.C13
Gene No.	101580	Strand	-
Start	5644	End	7101
Name	OJ000214_05.0303.C13.o2.gs	Method	GENSCAN
Start	5644	End	6546
GI	none	Score	.92
Exons	5644..5780, 5937..6120, 6332..6546		

Seq. No.	47731	Seq. ID	OJ000214_05.0303.C13
Gene No.	101580	Strand	-
Start	5644	End	7101
Name	OJ000214_05.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	5653	End	6784
GI	none	Score	113
Exons	5653..5781, 5935..5988, 5989..6126, 6341..6547, 6345..6548, 6686..6784		

Seq. No.	47731	Seq. ID	OJ000214_05.0303.C13
Gene No.	101580	Strand	-
Start	5644	End	7101
Name	OJ000214_05.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	5656	End	7101
GI	none	Score	123
Exons	5656..5781, 5660..5782, 5935..5997, 5936..6013, 5995..6123, 5996..6121, 6329..6547, 6330..6548, 6689..6730, 6690..6731, 6737..6784, 6741..6785, 7063..7101		

Seq. No.	47731	Seq. ID	OJ000214_05.0303.C13
Gene No.	101580	Strand	-
Start	5644	End	7101
Name	OJ000214_05.0303.C13.o3.gp	Method	AAT/GAP
Start	6150	End	6782
GI	29619_1.R1084	Score	815
Exons	6150..6546, 6691..6782		
GI Descrip.	'5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]'		

Seq. No.	47732	Seq. ID	OJ000214_05.0303.C14
Gene No.	101581	Strand	-
Start	164	End	838
Name	OJ000214_05.0303.C14.o1.np	Method	AAT/NAP
Start	164	End	827
GI	2506931	Score	177
Exons	164..312, 579..827		
GI Descrip.	APYRASE PRECURSOR (ATP-DIPHOSPHATASE) (ADENOSINE DIPHOSPHATASE) (ADPASE) (ATP-DIPHOSPHOHYDROLASE) gi|2129977|pir||JC4616 apyrase (EC 3.6.1.5) - potato gi|1381633 (U58597) ATP-diphosphohydrolase [Solanum tuberosum]		

Seq. No.	47732	Seq. ID	OJ000214_05.0303.C14
Gene No.	101581	Strand	-
Start	164	End	838
Name	OJ000214_05.0303.C14.o1.tw	Method	TBLASTX:Wheat
Start	169	End	792
GI	none	Score	121
Exons	169..312, 183..314, 183..314, 185..334, 577..792, 582..743		

Seq. No.	47732	Seq. ID	OJ000214_05.0303.C14
Gene No.	101581	Strand	-
Start	164	End	838
Name	OJ000214_05.0303.C14.o1.gp	Method	AAT/GAP
Start	184	End	838
GI	4715162	Score	739
Exons	184..312, 579..838		
GI Descrip.	4868375/gb|AAD31285.1|AF139807_1 1.0e-29 (AF139807) nod factor binding lectin-nucleotide phosphohydrolase [Dolichos biflorus]		

Seq. No.	47732	Seq. ID	OJ000214_05.0303.C14
Gene No.	101581	Strand	-
Start	164	End	838
Name	OJ000214_05.0303.C14.o1.gs	Method	GENSCAN
Start	184	End	821
GI	none	Score	.96
Exons	184..312, 579..821		

Seq. No.	47733	Seq. ID	OJ000214_05.0303.C15
Gene No.	101582	Strand	+
Start	1220	End	1873
Name	OJ000214_05.0303.C15.o1.gs	Method	GENSCAN
Start	1220	End	1873
GI	none	Score	.54
Exons	1220..1402, 1472..1873		

Seq. No.	47734	Seq. ID	OJ000214_05.0303.C23
Gene No.	101583	Strand	-
Start	525	End	728
Name	OJ000214_05.0303.C23.o1.gs	Method	GENSCAN
Start	525	End	728
GI	none	Score	1
Exons	525..728		

Seq. No.	47735	Seq. ID	OJ000214_05.0303.C24
Gene No.	101584	Strand	-
Start	182	End	1786
Name	OJ000214_05.0303.C24.o1.np	Method	AAT/NAP
Start	74	End	1786
GI	2494119	Score	434
Exons	74..391, 574..786, 874..1016, 1750..1786		
GI Descrip.	(AC002376) EST gb|T04104 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	47735	Seq. ID	OJ000214_05.0303.C24
Gene No.	101584	Strand	-
Start	182	End	1786
Name	OJ000214_05.0303.C24.o1.gp	Method	AAT/GAP
Start	163	End	406
GI	2797196	Score	449
Exons	163..406		

Seq. No.	47735	Seq. ID	OJ000214_05.0303.C24
Gene No.	101584	Strand	-
Start	182	End	1786
Name	OJ000214_05.0303.C24.o1.gs	Method	GENSCAN
Start	182	End	1366
GI	none	Score	.78
Exons	182..391, 574..786, 1256..1366		

Seq. No.	47735	Seq. ID	OJ000214_05.0303.C24
Gene No.	101584	Strand	-
Start	182	End	1786
Name	OJ000214_05.0303.C24.o1.tm	Method	TBLASTX:Maize
Start	700	End	1372
GI	none	Score	102
Exons	700..786, 722..787, 873..917, 873..908, 883..909, 915..1016, 923..1009, 935..1030, 1139..1174, 1253..1372, 1257..1367		

Seq. No.	47735	Seq. ID	OJ000214_05.0303.C24
Gene No.	101584	Strand	-
Start	182	End	1786
Name	OJ000214_05.0303.C24.o1.ts	Method	TBLASTX:Soybean
Start	700	End	1037
GI	none	Score	63
Exons	700..786, 726..794, 737..787, 886..930, 887..910, 900..1037, 925..987		

Seq. No.	47736	Seq. ID	OJ000214_05.0303.C25
Gene No.	101585	Strand	+
Start	904	End	1649
Name	OJ000214_05.0303.C25.o1.tw	Method	TBLASTX:Wheat

Start	867	End	1206
GI	none	Score	120
Exons	867..971, 894..1124, 901..1206, 973..1200		

Seq. No.	47736	Seq. ID	OJ000214_05.0303.C25
Gene No.	101585	Strand	+
Start	904	End	1649
Name	OJ000214_05.0303.C25.o1.np	Method	AAT/NAP
Start	904	End	1649
GI	416649	Score	450
Exons	904..1221, 1293..1649		
GI Descrip.	PROBABLE GLUTATHIONE S-TRANSFERASE (AUXIN-INDUCED PROTEIN PGNT1/PCNT110) gi|100303|pir||S16267 auxin-induced protein (clones pGNT1 and pCNT110) - common tobacco gi|19789|emb|CAA39709.1| (X56268) auxin-induced protein [Nicotiana tabacum] gi|19795|emb|CAA39705.1| (X56264) auxin-induced protein [Nicotiana tabacum]		

Seq. No.	47736	Seq. ID	OJ000214_05.0303.C25
Gene No.	101585	Strand	+
Start	904	End	1649
Name	OJ000214_05.0303.C25.o1.tc	Method	TBLASTX:Cress
Start	904	End	1580
GI	none	Score	259
Exons	904..1140, 976..1140, 1153..1206, 1323..1580		

Seq. No.	47736	Seq. ID	OJ000214_05.0303.C25
Gene No.	101585	Strand	+
Start	904	End	1649
Name	OJ000214_05.0303.C25.o1.tm	Method	TBLASTX:Maize
Start	907	End	1223
GI	none	Score	269
Exons	907..1137, 913..1137, 915..1139, 1040..1144, 1147..1218, 1158..1223		

Seq. No.	47736	Seq. ID	OJ000214_05.0303.C25
Gene No.	101585	Strand	+
Start	904	End	1649
Name	OJ000214_05.0303.C25.o1.ts	Method	TBLASTX:Soybean
Start	907	End	1580
GI	none	Score	244
Exons	907..1140, 1024..1086, 1133..1204, 1148..1204, 1152..1217, 1153..1221, 1311..1580, 1400..1579		

Seq. No.	47736	Seq. ID	OJ000214_05.0303.C25
Gene No.	101585	Strand	+
Start	904	End	1649
Name	OJ000214_05.0303.C25.o1.gs	Method	GENSCAN
Start	958	End	1600
GI	none	Score	.75
Exons	958..1218, 1287..1600		

Seq. No.	47737	Seq. ID	OJ000214_04.0303.C1
Gene No.	101586	Strand	+
Start	132	End	964
Name	OJ000214_04.0303.C1.o1.gs	Method	GENSCAN
Start	132	End	950

GI	none	Score	.7
Exons	132..950		

Seq. No.	47737	Seq. ID	OJ000214_04.0303.C1
Gene No.	101586	Strand	+
Start	132	End	964
Name	OJ000214_04.0303.C1.o1.np	Method	AAT/NAP
Start	198	End	964
GI	5042448	Score	1233
Exons	198..964		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	47738	Seq. ID	OJ000214_04.0303.C2
Gene No.	101587	Strand	+
Start	46	End	2021
Name	OJ000214_04.0303.C2.o1.np	Method	AAT/NAP
Start	46	End	2021
GI	5042447	Score	3128
Exons	46..2021		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47738	Seq. ID	OJ000214_04.0303.C2
Gene No.	101587	Strand	+
Start	46	End	2021
Name	OJ000214_04.0303.C2.o2.tw	Method	TBLASTX:Wheat
Start	312	End	665
GI	none	Score	207
Exons	312..413, 313..564, 576..665, 596..664		

Seq. No.	47738	Seq. ID	OJ000214_04.0303.C2
Gene No.	101587	Strand	+
Start	46	End	2021
Name	OJ000214_04.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	579	End	842
GI	none	Score	195
Exons	579..830, 588..842		

Seq. No.	47738	Seq. ID	OJ000214_04.0303.C2
Gene No.	101587	Strand	+
Start	46	End	2021
Name	OJ000214_04.0303.C2.o1.tw	Method	TBLASTX:Wheat
Start	1185	End	1601
GI	none	Score	154
Exons	1185..1394, 1202..1333, 1416..1601, 1445..1600		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101588	Strand	+
Start	1	End	2603
Name	OJ000214_04.0303.C3.o1.np	Method	AAT/NAP
Start	1	End	2600
GI	4680179	Score	4338
Exons	1..2600		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101588	Strand	+

Start	1	End	2603
Name	OJ000214_04.0303.C3.o1.gs	Method	GENSCAN
Start	56	End	2603
GI	none	Score	.46
Exons	56..634, 667..1480, 1810..2603		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101589	Strand	+
Start	2633	End	4581
Name	OJ000214_04.0303.C3.o3.np	Method	AAT/NAP
Start	2633	End	4581
GI	4680186	Score	240
Exons	2633..2653, 4349..4581		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101589	Strand	+
Start	2633	End	4581
Name	OJ000214_04.0303.C3.o2.np	Method	AAT/NAP
Start	2969	End	4397
GI	2429362	Score	126
Exons	2969..3445, 4296..4397		
GI Descrip.	(AF020261) proline rich protein [Santalum album]		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101590	Strand	-
Start	4129	End	4510
Name	OJ000214_04.0303.C3.o1.gp	Method	AAT/GAP
Start	4129	End	4510
GI	uC-osflcyp033a04b1	Score	655
Exons	4129..4510		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o4.tw	Method	TBLASTX:Wheat
Start	33	End	336
GI	none	Score	69
Exons	33..116, 33..104, 37..117, 38..121, 125..322, 127..336, 131..313		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o4.tm	Method	TBLASTX:Maize
Start	134	End	634
GI	none	Score	161
Exons	134..313, 299..634, 392..628		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	188	End	583
GI	none	Score	57
Exons	188..220, 188..232, 224..583, 224..454, 328..582		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o6.tw	Method	TBLASTX:Wheat
Start	337	End	598
GI	none	Score	333
Exons	337..597, 338..598		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o2.tw	Method	TBLASTX:Wheat
Start	599	End	1023
GI	none	Score	67
Exons	599..661, 670..1023, 675..941, 676..1023		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o2.tm	Method	TBLASTX:Maize
Start	670	End	1032
GI	none	Score	485
Exons	670..1023, 672..938, 724..1032, 831..1028		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o1.tw	Method	TBLASTX:Wheat
Start	1063	End	1590
GI	none	Score	607
Exons	1063..1590, 1126..1557, 1335..1589		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o1.tc	Method	TBLASTX:Cress
Start	1297	End	1614
GI	none	Score	91
Exons	1297..1470, 1471..1614, 1516..1611		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o2.ts	Method	TBLASTX:Soybean
Start	1378	End	1638
GI	none	Score	293
Exons	1378..1638, 1383..1637		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o3.tm	Method	TBLASTX:Maize
Start	1437	End	1728
GI	none	Score	384
Exons	1437..1724, 1438..1728		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o3.tw	Method	TBLASTX:Wheat
Start	1597	End	2222
GI	none	Score	245
Exons	1597..1827, 1599..1826, 1761..2222, 1827..2219, 2093..2221		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	1777	End	2363
GI	none	Score	85
Exons	1777..1827, 1782..1877, 1785..1838, 1826..1930, 1827..1937, 1935..2363, 1937..1996, 2102..2359		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o5.tw	Method	TBLASTX:Wheat
Start	2222	End	2555
GI	none	Score	356
Exons	2222..2293, 2223..2555, 2315..2491		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o5.tm	Method	TBLASTX:Maize
Start	2364	End	2576
GI	none	Score	197
Exons	2364..2576		

Seq. No.	47739	Seq. ID	OJ000214_04.0303.C3
Gene No.	101591	Strand	-
Start	4974	End	6878
Name	OJ000214_04.0303.C3.o4.np	Method	AAT/NAP
Start	4974	End	6878
GI	6907087	Score	1120
Exons	4974..5075, 5617..6287, 6496..6878		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47740	Seq. ID	OJ000214_04.0303.C5
Gene No.	101592	Strand	+
Start	24	End	943
Name	OJ000214_04.0303.C5.o1.gs	Method	GENSCAN
Start	24	End	943
GI	none	Score	.8
Exons	24..121, 218..328, 580..709, 758..943		

Seq. No.	47741	Seq. ID	OJ000214_04.0303.C6
Gene No.	101593	Strand	-
Start	1	End	335
Name	OJ000214_04.0303.C6.o1.np	Method	AAT/NAP
Start	1	End	254

GI	6016708	Score	157
Exons	1..254		
GI Descrip.	(AC009325) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	47741	Seq. ID	OJ000214_04.0303.C6
Gene No.	101593	Strand	-
Start	1	End	335
Name	OJ000214_04.0303.C6.o1.gs	Method	GENSCAN
Start	10	End	335
GI	none	Score	.67
Exons	10..335		

Seq. No.	47741	Seq. ID	OJ000214_04.0303.C6
Gene No.	101594	Strand	-
Start	591	End	825
Name	OJ000214_04.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	1	End	237
GI	none	Score	123
Exons	1..183, 3..185, 204..236, 208..237		

Seq. No.	47741	Seq. ID	OJ000214_04.0303.C6
Gene No.	101594	Strand	-
Start	591	End	825
Name	OJ000214_04.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	250
GI	none	Score	152
Exons	1..183, 3..191, 204..248, 215..250		

Seq. No.	47741	Seq. ID	OJ000214_04.0303.C6
Gene No.	101594	Strand	-
Start	591	End	825
Name	OJ000214_04.0303.C6.o2.np	Method	AAT/NAP
Start	591	End	825
GI	7444451	Score	283
Exons	591..825		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	47741	Seq. ID	OJ000214_04.0303.C6
Gene No.	101594	Strand	-
Start	591	End	825
Name	OJ000214_04.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	600	End	818
GI	none	Score	185
Exons	600..818		

Seq. No.	47741	Seq. ID	OJ000214_04.0303.C6
Gene No.	101594	Strand	-
Start	591	End	825
Name	OJ000214_04.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	606	End	818
GI	none	Score	191
Exons	606..818		

Seq. No.	47742	Seq. ID	OJ000214_04.0303.C9
Gene No.	101595	Strand	+

Start	586	End	4954
Name	OJ000214_04.0303.C9.o1.gs	Method	GENSCAN
Start	586	End	4954
GI	none	Score	.47
Exons	586..706, 888..1074, 2668..3285, 4888..4954		

Seq. No.	47742	Seq. ID	OJ000214_04.0303.C9
Gene No.	101595	Strand	+
Start	586	End	4954
Name	OJ000214_04.0303.C9.o1.gp	Method	AAT/GAP
Start	4063	End	4446
GI	uC-osf1cyp033a04b1	Score	689
Exons	4063..4446		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47742	Seq. ID	OJ000214_04.0303.C9
Gene No.	101596	Strand	-
Start	1976	End	4350
Name	OJ000214_04.0303.C9.o1.np	Method	AAT/NAP
Start	1976	End	4350
GI	5852180	Score	725
Exons	1976..2017, 2728..3139, 3191..3307, 4295..4350		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	47743	Seq. ID	OJ000214_04.0303.C13
Gene No.	101597	Strand	+
Start	1	End	4828
Name	OJ000214_04.0303.C13.o1.np	Method	AAT/NAP
Start	1	End	4828
GI	7242910	Score	70
Exons	1..178, 3137..3265, 4731..4828		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	47743	Seq. ID	OJ000214_04.0303.C13
Gene No.	101597	Strand	+
Start	1	End	4828
Name	OJ000214_04.0303.C13.o2.gs	Method	GENSCAN
Start	1377	End	4494
GI	none	Score	.77
Exons	1377..1445, 2453..2596, 2821..2870, 3082..3184, 4072..4494		

Seq. No.	47743	Seq. ID	OJ000214_04.0303.C13
Gene No.	101598	Strand	-
Start	58	End	897
Name	OJ000214_04.0303.C13.o1.gs	Method	GENSCAN
Start	58	End	897
GI	none	Score	.42
Exons	58..531, 664..897		

Seq. No.	47744	Seq. ID	OJ000214_04.0303.C15
Gene No.	101599	Strand	+
Start	2489	End	4176
Name	OJ000214_04.0303.C15.o1.np	Method	AAT/NAP
Start	2489	End	4017
GI	7263560	Score	662
Exons	2489..3151, 3373..3737, 3771..4017		

GI Descrip. (AL161667) putative protein [Arabidopsis thaliana]

Seq. No.	47744	Seq. ID	OJ000214_04.0303.C15
Gene No.	101599	Strand	+
Start	2489	End	4176
Name	OJ000214_04.0303.C15.o2.gs	Method	GENSCAN
Start	2489	End	4176
GI	none	Score	.96
Exons	2489..3151, 3373..4176		

Seq. No.	47744	Seq. ID	OJ000214_04.0303.C15
Gene No.	101599	Strand	+
Start	2489	End	4176
Name	OJ000214_04.0303.C15.o1.gp	Method	AAT/GAP
Start	2900	End	3651
GI	48223_1.R1084	Score	1008
Exons	2900..3151, 3373..3651		
GI Descrip.	'4835767/gb|AAD30234.1|AC007202_16 4.0e-33 (AC007202) T8K14.16 [Arabidopsis thaliana]'		

Seq. No.	47744	Seq. ID	OJ000214_04.0303.C15
Gene No.	101600	Strand	-
Start	5672	End	6511
Name	OJ000214_04.0303.C15.o3.ts	Method	TBLASTX:Soybean
Start	2486	End	2892
GI	none	Score	114
Exons	2486..2560, 2612..2734, 2689..2733, 2795..2890, 2803..2892		

Seq. No.	47744	Seq. ID	OJ000214_04.0303.C15
Gene No.	101600	Strand	-
Start	5672	End	6511
Name	OJ000214_04.0303.C15.o2.ts	Method	TBLASTX:Soybean
Start	2992	End	3160
GI	none	Score	79
Exons	2992..3039, 2993..3040, 3001..3141, 3029..3160, 3041..3160		

Seq. No.	47744	Seq. ID	OJ000214_04.0303.C15
Gene No.	101600	Strand	-
Start	5672	End	6511
Name	OJ000214_04.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	3444	End	3882
GI	none	Score	354
Exons	3444..3560, 3445..3732, 3487..3600, 3615..3716, 3793..3882, 3799..3879		

Seq. No.	47744	Seq. ID	OJ000214_04.0303.C15
Gene No.	101600	Strand	-
Start	5672	End	6511
Name	OJ000214_04.0303.C15.o1.ts	Method	TBLASTX:Soybean
Start	3472	End	3882
GI	none	Score	150
Exons	3472..3600, 3622..3732, 3766..3882		

Seq. No.	47744	Seq. ID	OJ000214_04.0303.C15
Gene No.	101600	Strand	-
Start	5672	End	6511
Name	OJ000214_04.0303.C15.o3.gs	Method	GENSCAN

Start	5672	End	6511
GI	none	Score	.43
Exons	5672..5754, 6505..6511		

Seq. No.	47745	Seq. ID	OJ000214_04.0303.C18
Gene No.	101601	Strand	+
Start	1	End	797
Name	OJ000214_04.0303.C18.o1.np	Method	AAT/NAP
Start	1	End	762
GI	6691191	Score	723
Exons	1..762		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	47745	Seq. ID	OJ000214_04.0303.C18
Gene No.	101601	Strand	+
Start	1	End	797
Name	OJ000214_04.0303.C18.o1.gs	Method	GENSCAN
Start	52	End	797
GI	none	Score	.71
Exons	52..341, 404..797		

Seq. No.	47745	Seq. ID	OJ000214_04.0303.C18
Gene No.	101602	Strand	+
Start	984	End	2202
Name	OJ000214_04.0303.C18.o2.gs	Method	GENSCAN
Start	984	End	2202
GI	none	Score	.57
Exons	984..1155, 2165..2202		

Seq. No.	47745	Seq. ID	OJ000214_04.0303.C18
Gene No.	101603	Strand	-
Start	2571	End	5542
Name	OJ000214_04.0303.C18.o1.tw	Method	TBLASTX:Wheat
Start	219	End	620
GI	none	Score	104
Exons	219..266, 220..336, 377..511, 378..620, 384..584		

Seq. No.	47745	Seq. ID	OJ000214_04.0303.C18
Gene No.	101603	Strand	-
Start	2571	End	5542
Name	OJ000214_04.0303.C18.o1.ts	Method	TBLASTX:Soybean
Start	220	End	641
GI	none	Score	102
Exons	220..330, 368..517, 375..641, 513..641		

Seq. No.	47745	Seq. ID	OJ000214_04.0303.C18
Gene No.	101603	Strand	-
Start	2571	End	5542
Name	OJ000214_04.0303.C18.o3.gs	Method	GENSCAN
Start	2571	End	5542
GI	none	Score	.75
Exons	2571..2865, 2893..2976, 5529..5542		

Seq. No.	47746	Seq. ID	OJ000214_04.0303.C19
Gene No.	101604	Strand	
Start	1395	End	1781
Name	OJ000214_04.0303.C19.o1.tm	Method	TBLASTX:Maize

Start	1395	End	1781
GI-	none	Score	265
Exons	1395..1517, 1396..1704, 1698..1781		

Seq. No.	47747	Seq. ID	OJ000214_04.0303.C21
Gene No.	101605	Strand	+
Start	1	End	1834
Name	OJ000214_04.0303.C21.o1.gp	Method	AAT/GAP
Start	1	End	1678
GI	342_1.R1084	Score	2539
Exons	1..988, 1024..1043, 1126..1223, 1333..1678		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	47747	Seq. ID	OJ000214_04.0303.C21
Gene No.	101605	Strand	+
Start	1	End	1834
Name	OJ000214_04.0303.C21.o1.np	Method	AAT/NAP
Start	1	End	895
GI	4680203	Score	868
Exons	1..895		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	47747	Seq. ID	OJ000214_04.0303.C21
Gene No.	101605	Strand	+
Start	1	End	1834
Name	OJ000214_04.0303.C21.o1.tw	Method	TBLASTX:Wheat
Start	1	End	841
GI	none	Score	330
Exons	1..411, 2..442, 110..427, 437..481, 441..476, 458..481, 484..579, 488..547, 526..666, 527..667, 556..675, 680..760, 749..841, 775..840		

Seq. No.	47747	Seq. ID	OJ000214_04.0303.C21
Gene No.	101605	Strand	+
Start	1	End	1834
Name	OJ000214_04.0303.C21.o2.gp	Method	AAT/GAP
Start	1	End	1670
GI	342_1.R1084	Score	2523
Exons	1..988, 1024..1043, 1126..1223, 1333..1670		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	47747	Seq. ID	OJ000214_04.0303.C21
Gene No.	101605	Strand	+
Start	1	End	1834
Name	OJ000214_04.0303.C21.o3.gp	Method	AAT/GAP
Start	1	End	1834
GI	342_1.R1084	Score	2816
Exons	1..988, 1024..1043, 1126..1223, 1333..1834		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	47747	Seq. ID	OJ000214_04.0303.C21
Gene No.	101605	Strand	+
Start	1	End	1834
Name	OJ000214_04.0303.C21.o1.gs	Method	GENSCAN

Start	68	End	916
GI	none	Score	.99
Exons	68..916		

Seq. No.	47748	Seq. ID	OJ000214_04.0303.C22
Gene No.	101606	Strand	+
Start	1	End	5661
Name	OJ000214_04.0303.C22.o1.np	Method	AAT/NAP
Start	1	End	5661
GI	6063554	Score	307
Exons	1..27, 2905..3066, 3188..3490, 4822..4850, 5488..5661		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47748	Seq. ID	OJ000214_04.0303.C22
Gene No.	101606	Strand	+
Start	1	End	5661
Name	OJ000214_04.0303.C22.o1.gp	Method	AAT/GAP
Start	851	End	926
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	851..926		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	47748	Seq. ID	OJ000214_04.0303.C22
Gene No.	101606	Strand	+
Start	1	End	5661
Name	OJ000214_04.0303.C22.o2.gp	Method	AAT/GAP
Start	4318	End	5052
GI	101153_1.R1084	Score	390
Exons	4318..4347, 4799..5052		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	47748	Seq. ID	OJ000214_04.0303.C22
Gene No.	101607	Strand	+
Start	7832	End	8214
Name	OJ000214_04.0303.C22.o7.gp	Method	AAT/GAP
Start	7832	End	8214
GI	uC-osflcyp033a04b1	Score	700
Exons	7832..8214		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47748	Seq. ID	OJ000214_04.0303.C22
Gene No.	101608	Strand	+
Start	8938	End	10026
Name	OJ000214_04.0303.C22.o3.np	Method	AAT/NAP
Start	8938	End	10026
GI	4680204	Score	689
Exons	8938..10026		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	47748	Seq. ID	OJ000214_04.0303.C22
Gene No.	101609	Strand	-

Start	5442	End	6328
Name	OJ000214_04.0303.C22.o3.gp	Method	AAT/GAP
Start	5442	End	6328
GI	4107138	Score	1168
Exons	5442..6328		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	47748	Seq. ID	OJ000214_04.0303.C22
Gene No.	101609	Strand	-
Start	5442	End	6328
Name	OJ000214_04.0303.C22.o4.gp	Method	AAT/GAP
Start	5442	End	6328
GI	4107138	Score	1170
Exons	5442..6328		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	47748	Seq. ID	OJ000214_04.0303.C22
Gene No.	101609	Strand	-
Start	5442	End	6328
Name	OJ000214_04.0303.C22.o5.gp	Method	AAT/GAP
Start	6050	End	6328
GI	61605_1.R1084	Score	461
Exons	6050..6328		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	47748	Seq. ID	OJ000214_04.0303.C22
Gene No.	101610	Strand	-
Start	6499	End	8144
Name	OJ000214_04.0303.C22.o2.np	Method	AAT/NAP
Start	6499	End	8144
GI	5852180	Score	598
Exons	6499..6906, 6958..7082, 8063..8144		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	47748	Seq. ID	OJ000214_04.0303.C22
Gene No.	101611	Strand	
Start	9416	End	9819
Name	OJ000214_04.0303.C22.o1.tw	Method	TBLASTX:Wheat
Start	9416	End	9819
GI	none	Score	225
Exons	9416..9526, 9418..9654, 9418..9567, 9519..9686, 9649..9819, 9724..9819		

Seq. No.	47749	Seq. ID	OJ000214_04.0303.C23
Gene No.	101612	Strand	-
Start	1	End	1735
Name	OJ000214_04.0303.C23.o1.np	Method	AAT/NAP
Start	1	End	1735
GI	7444451	Score	1754
Exons	1..1735		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	47749	Seq. ID	OJ000214_04.0303.C23
Gene No.	101612	Strand	-
Start	1	End	1735
Name	OJ000214_04.0303.C23.o1.tc	Method	TBLASTX:Cress
Start	404	End	869
GI	none	Score	88
Exons	404..865, 582..869		

Seq. No.	47749	Seq. ID	OJ000214_04.0303.C23
Gene No.	101612	Strand	-
Start	1	End	1735
Name	OJ000214_04.0303.C23.o2.tw	Method	TBLASTX:Wheat
Start	410	End	748
GI	none	Score	288
Exons	410..748		

Seq. No.	47749	Seq. ID	OJ000214_04.0303.C23
Gene No.	101612	Strand	-
Start	1	End	1735
Name	OJ000214_04.0303.C23.o1.ts	Method	TBLASTX:Soybean
Start	419	End	838
GI	none	Score	269
Exons	419..838		

Seq. No.	47749	Seq. ID	OJ000214_04.0303.C23
Gene No.	101612	Strand	-
Start	1	End	1735
Name	OJ000214_04.0303.C23.o1.tm	Method	TBLASTX:Maize
Start	422	End	746
GI	none	Score	74
Exons	422..745, 525..746		

Seq. No.	47749	Seq. ID	OJ000214_04.0303.C23
Gene No.	101612	Strand	-
Start	1	End	1735
Name	OJ000214_04.0303.C23.o2.ts	Method	TBLASTX:Soybean
Start	860	End	1264
GI	none	Score	67
Exons	860..1051, 1055..1162, 1178..1264		

Seq. No.	47749	Seq. ID	OJ000214_04.0303.C23
Gene No.	101612	Strand	-
Start	1	End	1735
Name	OJ000214_04.0303.C23.o2.tc	Method	TBLASTX:Cress
Start	974	End	1264
GI	none	Score	76
Exons	974..1048, 1052..1165, 1053..1166, 1169..1264, 1239..1262		

Seq. No.	47749	Seq. ID	OJ000214_04.0303.C23
Gene No.	101612	Strand	-
Start	1	End	1735
Name	OJ000214_04.0303.C23.o2.tm	Method	TBLASTX:Maize
Start	1337	End	1639
GI	none	Score	83
Exons	1337..1639, 1350..1589		

Seq. No.	47749	Seq. ID	OJ000214_04.0303.C23

Gene No.	101612	Strand	-
Start	1	End	1735
Name	OJ000214_04.0303.C23.o1.tw	Method	TBLASTX:Wheat
Start	1349	End	1697
GI	none	Score	194
Exons	1349..1696, 1350..1697		

Seq. No.	47750	Seq. ID	OJ000214_04.0303.C24
Gene No.	101613	Strand	-
Start	1	End	2922
Name	OJ000214_04.0303.C24.o1.np	Method	AAT/NAP
Start	1	End	370
GI	7444451	Score	231
Exons	1..370		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	47750	Seq. ID	OJ000214_04.0303.C24
Gene No.	101613	Strand	-
Start	1	End	2922
Name	OJ000214_04.0303.C24.o2.np	Method	AAT/NAP
Start	1	End	2922
GI	7340881	Score	477
Exons	1..59, 782..811, 917..1091, 2486..2722, 2770..2922		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	47750	Seq. ID	OJ000214_04.0303.C24
Gene No.	101613	Strand	-
Start	1	End	2922
Name	OJ000214_04.0303.C24.o1.tm	Method	TBLASTX:Maize
Start	12	End	275
GI	none	Score	96
Exons	12..149, 13..150, 14..163, 14..145, 159..275, 194..274		

Seq. No.	47750	Seq. ID	OJ000214_04.0303.C24
Gene No.	101613	Strand	-
Start	1	End	2922
Name	OJ000214_04.0303.C24.o1.gs	Method	GENSCAN
Start	104	End	2861
GI	none	Score	.51
Exons	104..370, 917..1058, 2435..2725, 2770..2861		

Seq. No.	47751	Seq. ID	OJ000214_04.0303.C25
Gene No.	101614	Strand	-
Start	224	End	2135
Name	OJ000214_04.0303.C25.o1.gs	Method	GENSCAN
Start	224	End	2135
GI	none	Score	.44
Exons	224..319, 681..744, 1541..1664, 1917..2135		

Seq. No.	47751	Seq. ID	OJ000214_04.0303.C25
Gene No.	101614	Strand	-
Start	224	End	2135
Name	OJ000214_04.0303.C25.o1.tw	Method	TBLASTX:Wheat
Start	1346	End	1738
GI	none	Score	242

Exons	1346..1738		
Seq. No.	47752	Seq. ID	OJ000214_04.0303.C27
Gene No.	101615	Strand	-
Start	227	End	674
Name	OJ000214_04.0303.C27.o1.gs	Method	GENSCAN
Start	227	End	674
GI	none	Score	.84
Exons	227..329, 579..674		
Seq. No.	47753	Seq. ID	OJ000214_04.0303.C28
Gene No.	101616	Strand	+
Start	35	End	467
Name	OJ000214_04.0303.C28.o1.gs	Method	GENSCAN
Start	35	End	467
GI	none	Score	.74
Exons	35..200, 448..467		
Seq. No.	47753	Seq. ID	OJ000214_04.0303.C28
Gene No.	101617	Strand	-
Start	1289	End	3062
Name	OJ000214_04.0303.C28.o2.gs	Method	GENSCAN
Start	1289	End	2428
GI	none	Score	.92
Exons	1289..2428		
Seq. No.	47753	Seq. ID	OJ000214_04.0303.C28
Gene No.	101617	Strand	-
Start	1289	End	3062
Name	OJ000214_04.0303.C28.o1.np	Method	AAT/NAP
Start	1310	End	3062
GI	5733874	Score	652
Exons	1310..2428, 3013..3062		
GI Descrip.	(AC007932) F11A17.8 [Arabidopsis thaliana]		
Seq. No.	47753	Seq. ID	OJ000214_04.0303.C28
Gene No.	101617	Strand	-
Start	1289	End	3062
Name	OJ000214_04.0303.C28.o1.ts	Method	TBLASTX:Soybean
Start	1320	End	2290
GI	none	Score	125
Exons	1320..1595, 1337..1597, 1637..1774, 1808..2002, 1884..2003, 2015..2290, 2016..2234		
Seq. No.	47753	Seq. ID	OJ000214_04.0303.C28
Gene No.	101617	Strand	-
Start	1289	End	3062
Name	OJ000214_04.0303.C28.o1.tw	Method	TBLASTX:Wheat
Start	1329	End	1714
GI	none	Score	162
Exons	1329..1595, 1337..1714		
Seq. No.	47753	Seq. ID	OJ000214_04.0303.C28
Gene No.	101617	Strand	-
Start	1289	End	3062
Name	OJ000214_04.0303.C28.o1.tc	Method	TBLASTX:Cress
Start	1355	End	2167

GI	none	Score	104
Exons	1355..1609, 1359..1595, 1676..1789, 1766..2167, 1785..2126		
Seq. No.	47753	Seq. ID	OJ000214_04.0303.C28
Gene No.	101617	Strand	-
Start	1289	End	3062
Name	OJ000214_04.0303.C28.o1.tm	Method	TBLASTX:Maize
Start	1355	End	2434
GI	none	Score	125
Exons	1355..1714, 1359..1595, 1766..2284, 1785..2033, 2067..2255, 2327..2434		
Seq. No.	47754	Seq. ID	OJ000214_04.0303.C29
Gene No.	101618	Strand	-
Start	1	End	999
Name	OJ000214_04.0303.C29.o1.np	Method	AAT/NAP
Start	1	End	999
GI	6686396	Score	173
Exons	1..55, 292..426, 522..619, 848..999		
GI Descrip.	(AC007234) F1E22.10 [Arabidopsis thaliana]		
Seq. No.	47755	Seq. ID	OJ000204_07.0306.C1
Gene No.	101619	Strand	-
Start	1	End	848
Name	OJ000204_07.0306.C1.o1.gp	Method	AAT/GAP
Start	1	End	731
GI	2310235	Score	303
Exons	1..33, 144..283, 694..731		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	47755	Seq. ID	OJ000204_07.0306.C1
Gene No.	101619	Strand	-
Start	1	End	848
Name	OJ000204_07.0306.C1.o1.np	Method	AAT/NAP
Start	1	End	848
GI	5852182	Score	390
Exons	1..283, 808..848		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o1.gp	Method	AAT/GAP
Start	1	End	3611
GI	342_1.R1084	Score	5917
Exons	1..2921, 3066..3087, 3165..3262, 3372..3611		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o3.gp	Method	AAT/GAP
Start	1	End	3610
GI	342_1.R1084	Score	5915
Exons	1..2921, 3066..3087, 3165..3262, 3372..3610		

GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o6.gp	Method	AAT/GAP
Start	1	End	3886
GI	342_1.R1084	Score	6379
Exons	1..2921, 3066..3087, 3165..3262, 3372..3886		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o4.gp	Method	AAT/GAP
Start	1	End	3604
GI	342_1.R1084	Score	5903
Exons	1..2921, 3066..3087, 3165..3262, 3372..3604		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o2.gp	Method	AAT/GAP
Start	1	End	3613
GI	342_1.R1084	Score	5921
Exons	1..2921, 3066..3087, 3165..3262, 3372..3613		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o4.tw	Method	TBLASTX:Wheat
Start	2	End	221
GI	none	Score	249
Exons	2..211, 7..210, 9..221, 15..215		
Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o1.ts	Method	TBLASTX:Soybean
Start	142	End	567
GI	none	Score	102
Exons	142..225, 143..217, 218..280, 275..505, 307..504, 502..567, 505..552		
Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o2.tc	Method	TBLASTX:Cress
Start	304	End	651
GI	none	Score	155
Exons	304..456, 311..496, 504..632, 505..651		

Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o1.np	Method	AAT/NAP
Start	332	End	2291
GI	6742729	Score	3150
Exons	332..2291		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o2.tw	Method	TBLASTX:Wheat
Start	440	End	908
GI	none	Score	72
Exons	440..493, 448..492, 504..593, 505..597, 601..699, 606..698, 679..903, 699..908, 700..903, 702..908		

Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o1.tm	Method	TBLASTX:Maize
Start	484	End	942
GI	none	Score	232
Exons	484..738, 505..738, 748..942		

Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o1.gs	Method	GENSCAN
Start	562	End	4752
GI	none	Score	.7
Exons	562..807, 853..2799, 4029..4127, 4213..4752		

Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o2.ts	Method	TBLASTX:Soybean
Start	772	End	1014
GI	none	Score	213
Exons	772..1014		

Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o3.tw	Method	TBLASTX:Wheat
Start	1047	End	1457
GI	none	Score	87
Exons	1047..1097, 1048..1110, 1116..1298, 1120..1338, 1366..1455, 1371..1457, 1372..1455		

Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o1.tw	Method	TBLASTX:Wheat
Start	1458	End	2775

GI	none	Score	246
Exons	1458..1874, 1459..2376, 1462..1638, 1466..1903, 1527..2360, 2371..2415, 2375..2410, 2418..2513, 2422..2481, 2460..2600, 2461..2601, 2614..2694, 2683..2775		

Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o2.tm	Method	TBLASTX:Maize
Start	1501	End	1815
GI	none	Score	318
Exons	1501..1815, 1515..1787, 1585..1815		

Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o1.tc	Method	TBLASTX:Cress
Start	1742	End	2193
GI	none	Score	93
Exons	1742..1897, 1746..1874, 1746..2189, 1750..2193, 1756..2193		

Seq. No.	47756	Seq. ID	OJ000204_07.0306.C3
Gene No.	101620	Strand	+
Start	1	End	4776
Name	OJ000204_07.0306.C3.o3.np	Method	AAT/NAP
Start	2079	End	4776
GI	7494310	Score	74
Exons	2079..2120, 4500..4776		
GI Descrip.	hypothetical protein PFB0680w - malaria parasite (Plasmodium falciparum) gi|3845248|gb|AAC71925.1| (AE001410) hypothetical protein [Plasmodium falciparum]		

Seq. No.	47757	Seq. ID	OJ000204_07.0306.C4
Gene No.	101621	Strand	+
Start	1	End	2275
Name	OJ000204_07.0306.C4.o1.np	Method	AAT/NAP
Start	1	End	2275
GI	4680204	Score	858
Exons	1..1124, 1199..1633, 2162..2275		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	47757	Seq. ID	OJ000204_07.0306.C4
Gene No.	101621	Strand	+
Start	1	End	2275
Name	OJ000204_07.0306.C4.o1.gs	Method	GENSCAN
Start	50	End	1960
GI	none	Score	.51
Exons	50..664, 794..959, 1005..1124, 1199..1340, 1466..1608, 1610..1960		

Seq. No.	47757	Seq. ID	OJ000204_07.0306.C4
Gene No.	101622	Strand	-
Start	2192	End	2275
Name	OJ000204_07.0306.C4.o1.tw	Method	TBLASTX:Wheat
Start	331	End	734
GI	none	Score	221
Exons	331..441, 333..569, 333..482, 434..601, 564..734		

Seq. No.	47757	Seq. ID	OJ000204_07.0306.C4
Gene No.	101622	Strand	-
Start	2192	End	2275
Name	OJ000204_07.0306.C4.o2.np	Method	AAT/NAP
Start	2192	End	2275
GI	7523512	Score	103
Exons	2192..2275		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47758	Seq. ID	OJ000204_07.0306.C5
Gene No.	101623	Strand	+
Start	244	End	2924
Name	OJ000204_07.0306.C5.o1.gs	Method	GENSCAN
Start	244	End	2891
GI	none	Score	.44
Exons	244..454, 510..2891		

Seq. No.	47758	Seq. ID	OJ000204_07.0306.C5
Gene No.	101623	Strand	+
Start	244	End	2924
Name	OJ000204_07.0306.C5.o1.np	Method	AAT/NAP
Start	528	End	2924
GI	7228457	Score	3522
Exons	528..894, 956..2924		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47758	Seq. ID	OJ000204_07.0306.C5
Gene No.	101623	Strand	+
Start	244	End	2924
Name	OJ000204_07.0306.C5.o2.tw	Method	TBLASTX:Wheat
Start	1182	End	1574
GI	none	Score	58
Exons	1182..1229, 1236..1334, 1253..1333, 1301..1462, 1317..1574		

Seq. No.	47758	Seq. ID	OJ000204_07.0306.C5
Gene No.	101623	Strand	+
Start	244	End	2924
Name	OJ000204_07.0306.C5.o1.tm	Method	TBLASTX:Maize
Start	1187	End	1472
GI	none	Score	193
Exons	1187..1471, 1224..1472		

Seq. No.	47758	Seq. ID	OJ000204_07.0306.C5
Gene No.	101623	Strand	+
Start	244	End	2924
Name	OJ000204_07.0306.C5.o1.tw	Method	TBLASTX:Wheat
Start	2312	End	2795
GI	none	Score	406
Exons	2312..2485, 2313..2795, 2507..2767		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101624	Strand	+
Start	1	End	3318
Name	OJ000204_07.0306.C6.o1.np	Method	AAT/NAP

Start	1	End	3315
GI	7228457	Score	5076
Exons	1..424, 547..1698, 1765..3315		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101624	Strand	+
Start	1	End	3318
Name	OJ000204_07.0306.C6.o1.gs	Method	GENSCAN
Start	62	End	3318
GI	none	Score	.55
Exons	62..2282, 2391..3318		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101625	Strand	+
Start	8926	End	10182
Name	OJ000204_07.0306.C6.o3.gs	Method	GENSCAN
Start	8926	End	10182
GI	none	Score	.85
Exons	8926..9077, 9187..9360, 9457..9567, 9652..9724, 9819..9917, 9997..10182		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101626	Strand	+
Start	11355	End	12064
Name	OJ000204_07.0306.C6.o4.gs	Method	GENSCAN
Start	11355	End	12064
GI	none	Score	.57
Exons	11355..11406, 12054..12064		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101627	Strand	-
Start	3934	End	8921
Name	OJ000204_07.0306.C6.o2.gs	Method	GENSCAN
Start	3934	End	7242
GI	none	Score	.73
Exons	3934..5881, 5981..7242		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101627	Strand	-
Start	3934	End	8921
Name	OJ000204_07.0306.C6.o2.np	Method	AAT/NAP
Start	3937	End	7242
GI	6907089	Score	4287
Exons	3937..5881, 5981..7242		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101627	Strand	-
Start	3934	End	8921
Name	OJ000204_07.0306.C6.o4.np	Method	AAT/NAP
Start	6487	End	8921
GI	5922623	Score	292
Exons	6487..6508, 8082..8157, 8325..8483, 8841..8921		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101627	Strand	-
Start	3934	End	8921
Name	OJ000204_07.0306.C6.o3.np	Method	AAT/NAP
Start	7904	End	8625
GI	7523512	Score	103
Exons	7904..8029, 8479..8625		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101628	Strand	-
Start	10488	End	10609
Name	OJ000204_07.0306.C6.o5.np	Method	AAT/NAP
Start	10488	End	10609
GI	7106528	Score	100
Exons	10488..10609		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101629	Strand	-
Start	10511	End	10657
Name	OJ000204_07.0306.C6.o2.gp	Method	AAT/GAP
Start	10511	End	10657
GI	21474_1.R1084	Score	237
Exons	10511..10657		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o7.tw	Method	TBLASTX:Wheat
Start	1	End	165
GI	none	Score	176
Exons	1..165, 6..107		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o1.tm	Method	TBLASTX:Maize
Start	111	End	495
GI	none	Score	360
Exons	111..476, 112..495		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o1.tw	Method	TBLASTX:Wheat
Start	168	End	593
GI	none	Score	487
Exons	168..593, 169..588		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6

Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o1.ts	Method	TBLASTX:Soybean
Start	247	End	618
GI	none	Score	279
Exons	247..618, 264..407		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o3.tw	Method	TBLASTX:Wheat
Start	1216	End	1677
GI	none	Score	226
Exons	1216..1467, 1243..1467, 1308..1481, 1528..1677, 1537..1674, 1539..1676		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o2.ts	Method	TBLASTX:Soybean
Start	1366	End	1932
GI	5666795	Score	68
Exons	1366..1464, 1540..1677, 1732..1932		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o5.tw	Method	TBLASTX:Wheat
Start	1680	End	1992
GI	none	Score	192
Exons	1680..1856, 1732..1992		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o2.tm	Method	TBLASTX:Maize
Start	2185	End	2508
GI	none	Score	346
Exons	2185..2508, 2214..2495		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o2.tw	Method	TBLASTX:Wheat
Start	2322	End	2703
GI	none	Score	375
Exons	2322..2378, 2323..2703, 2424..2672		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o4.tw	Method	TBLASTX:Wheat
Start	2704	End	7371
GI	none	Score	265
Exons	2704..2988, 2709..2987, 3180..3302, 3181..3306, 7282..7371		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o3.tm	Method	TBLASTX:Maize
Start	3175	End	3315
GI	none	Score	183
Exons	3175..3315, 3180..3314		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o6.tw	Method	TBLASTX:Wheat
Start	9004	End	9526
GI	none	Score	60
Exons	9004..9084, 9173..9355, 9223..9348, 9455..9526		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o6.np	Method	AAT/NAP
Start	12082	End	14591
GI	119714	Score	64
Exons	12082..12123, 14219..14364, 14512..14591		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	47759	Seq. ID	OJ000204_07.0306.C6
Gene No.	101630	Strand	-
Start	12082	End	14591
Name	OJ000204_07.0306.C6.o5.gs	Method	GENSCAN
Start	13249	End	14370
GI	none	Score	.6
Exons	13249..13261, 14255..14370		

Seq. No.	47760	Seq. ID	OJ000204_07.0306.C7
Gene No.	101631	Strand	+
Start	8823	End	9391
Name	OJ000204_07.0306.C7.o1.np	Method	AAT/NAP
Start	8823	End	9391
GI	7438018	Score	154
Exons	8823..8946, 9360..9391		
GI Descrip.	CTP synthase (EC 6.3.4.2) F19I3.12 - Arabidopsis thaliana gi|3033384|gb|AAC12828.1| (AC004238) putative CTP synthase [Arabidopsis thaliana]		

Seq. No.	47760	Seq. ID	OJ000204_07.0306.C7
Gene No.	101632	Strand	-
Start	7774	End	8957
Name	OJ000204_07.0306.C7.o2.gs	Method	GENSCAN
Start	7774	End	8926
GI	none	Score	.89
Exons	7774..8394, 8718..8926		

Seq. No.	47760	Seq. ID	OJ000204_07.0306.C7
Gene No.	101632	Strand	-

Start	7774	End	8957
Name	OJ000204_07.0306.C7.o1.tm	Method	TBLASTX:Maize
Start	8822	End	8957
GI	none	Score	198
Exons	8822..8947, 8823..8957		

Seq. No.	47761	Seq. ID	OJ000204_07.0306.C8
Gene No.	101633	Strand	+
Start	1	End	3166
Name	OJ000204_07.0306.C8.o1.np	Method	AAT/NAP
Start	1	End	3166
GI	7438015	Score	883
Exons	1..167, 248..334, 409..459, 554..671, 745..806, 1132..1191, 1338..1421, 1662..1712, 1793..1893, 2335..2401, 2493..2555, 2840..2929, 3107..3166		
GI Descrip.	CTP synthase (EC 6.3.4.2) T10M13.13 - Arabidopsis thaliana gi|2104535|gb|AAC78703.1| (AF001308) T10M13.13 [Arabidopsis thaliana] gi|7268596|emb|CAB80705.1| (AL161493) CTP synthase-like protein [Arabidopsis thaliana]		

Seq. No.	47761	Seq. ID	OJ000204_07.0306.C8
Gene No.	101633	Strand	+
Start	1	End	3166
Name	OJ000204_07.0306.C8.o1.ts	Method	TBLASTX:Soybean
Start	86	End	660
GI	none	Score	141
Exons	86..127, 87..170, 246..323, 248..343, 403..468, 408..467, 541..660, 548..658		

Seq. No.	47761	Seq. ID	OJ000204_07.0306.C8
Gene No.	101633	Strand	+
Start	1	End	3166
Name	OJ000204_07.0306.C8.o1.tc	Method	TBLASTX:Cress
Start	87	End	679
GI	none	Score	153
Exons	87..170, 248..343, 289..327, 403..468, 411..467, 541..672, 542..679, 548..679		

Seq. No.	47761	Seq. ID	OJ000204_07.0306.C8
Gene No.	101633	Strand	+
Start	1	End	3166
Name	OJ000204_07.0306.C8.o1.tm	Method	TBLASTX:Maize
Start	87	End	2009
GI	none	Score	153
Exons	87..170, 87..170, 248..343, 289..330, 403..468, 408..467, 541..672, 548..679, 548..679, 743..802, 744..815, 1117..1161, 1156..1209, 1337..1420, 1338..1430, 1655..1711, 1793..1855, 1956..2009		

Seq. No.	47761	Seq. ID	OJ000204_07.0306.C8
Gene No.	101633	Strand	+
Start	1	End	3166
Name	OJ000204_07.0306.C8.o1.gs	Method	GENSCAN
Start	88	End	2929
GI	none	Score	.86
Exons	88..167, 248..334, 409..459, 554..671, 745..801, 1127..1191, 1338..1421, 1793..1855, 1968..2014, 2332..2401, 2493..2555,		

2840..2929

Seq. No.	47761	Seq. ID	OJ000204_07.0306.C8
Gene No.	101633	Strand	+
Start	1	End	3166
Name	OJ000204_07.0306.C8.o2.tm	Method	TBLASTX:Maize
Start	2324	End	2917
GI	none	Score	122
Exons	2324..2440, 2330..2410, 2334..2432, 2492..2554, 2493..2555, 2493..2555, 2504..2557, 2822..2917, 2839..2916		

Seq. No.	47762	Seq. ID	OJ000204_07.0306.C10
Gene No.	101634	Strand	+
Start	95	End	162
Name	OJ000204_07.0306.C10.o1.gs	Method	GENSCAN
Start	95	End	162
GI	none	Score	.76
Exons	95..162		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101635	Strand	+
Start	1	End	227
Name	OJ000204_07.0306.C11.o1.np	Method	AAT/NAP
Start	1	End	227
GI	6723729	Score	89
Exons	1..227		
GI Descrip.	(AJ271079) PSI P700 apoprotein A2 [Oenothera elata subsp. hookeri]		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101636	Strand	+
Start	2807	End	3468
Name	OJ000204_07.0306.C11.o4.np	Method	AAT/NAP
Start	2807	End	3468
GI	6539570	Score	143
Exons	2807..2847, 3280..3468		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101636	Strand	+
Start	2807	End	3468
Name	OJ000204_07.0306.C11.o3.np	Method	AAT/NAP
Start	3032	End	3109
GI	6630699	Score	71
Exons	3032..3109		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101637	Strand	+
Start	5693	End	6828
Name	OJ000204_07.0306.C11.o3.gs	Method	GENSCAN
Start	5693	End	6828
GI	none	Score	.62
Exons	5693..5717, 6701..6828		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101638	Strand	+
Start	14492	End	14743
Name	OJ000204_07.0306.C11.o7.gs	Method	GENSCAN
Start	14492	End	14743
GI	none	Score	.78
Exons	14492..14743		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101639	Strand	-
Start	374	End	2971
Name	OJ000204_07.0306.C11.o1.gs	Method	GENSCAN
Start	374	End	2971
GI	none	Score	.62
Exons	374..524, 578..747, 1115..1384, 1418..1597, 1891..2054, 2490..2743, 2796..2971		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101639	Strand	-
Start	374	End	2971
Name	OJ000204_07.0306.C11.o2.np	Method	AAT/NAP
Start	889	End	1741
GI	5922620	Score	359
Exons	889..1019, 1299..1384, 1421..1597, 1645..1741		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101640	Strand	-
Start	3246	End	5158
Name	OJ000204_07.0306.C11.o2.gs	Method	GENSCAN
Start	3246	End	5158
GI	none	Score	.52
Exons	3246..3590, 5114..5158		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101641	Strand	-
Start	6890	End	7385
Name	OJ000204_07.0306.C11.o4.gs	Method	GENSCAN
Start	6890	End	7385
GI	none	Score	.66
Exons	6890..6983, 7279..7385		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101642	Strand	-
Start	9248	End	11455
Name	OJ000204_07.0306.C11.o1.gp	Method	AAT/GAP
Start	9019	End	11455
GI	none	Score	1701
Exons	9019..9463, 10824..11043, 11195..11455		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101642	Strand	-
Start	9248	End	11455

Name	OJ000204_07.0306.C11.o5.gs	Method	GENSCAN
Start	9248	End	11403
GI	none	Score	.94
Exons	9248..9463, 10824..11043, 11195..11403		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101642	Strand	-
Start	9248	End	11455
Name	OJ000204_07.0306.C11.o5.np	Method	AAT/NAP
Start	9296	End	11274
GI	7362738	Score	540
Exons	9296..9463, 10824..11043, 11195..11274		
GI Descrip.	(AL162651) putative protein [Arabidopsis thaliana]		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101643	Strand	-
Start	12787	End	13248
Name	OJ000204_07.0306.C11.o6.gs	Method	GENSCAN
Start	12787	End	13248
GI	none	Score	.68
Exons	12787..13076, 13224..13248		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101644	Strand	-
Start	19743	End	20381
Name	OJ000204_07.0306.C11.o9.gs	Method	GENSCAN
Start	19743	End	20381
GI	none	Score	.61
Exons	19743..19858, 20072..20381		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101645	Strand	-
Start	22863	End	25845
Name	OJ000204_07.0306.C11.o2.tm	Method	TBLASTX:Maize
Start	9246	End	17780
GI	none	Score	313
Exons	9246..9464, 9246..9434, 9248..9466, 10819..11049, 10821..11054, 11192..11278, 11194..11277, 11329..11409, 11336..11404, 14453..14632, 14639..14686, 16687..16773, 16687..16773, 16795..16908, 16859..16912, 17727..17780		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101645	Strand	-
Start	22863	End	25845
Name	OJ000204_07.0306.C11.o1.ts	Method	TBLASTX:Soybean
Start	9248	End	14686
GI	none	Score	74
Exons	9248..9412, 9248..9466, 9255..9464, 10819..10938, 10821..11054, 10987..11049, 11192..11278, 11194..11277, 11329..11403, 14468..14632, 14639..14686		

Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101645	Strand	-
Start	22863	End	25845
Name	OJ000204_07.0306.C11.o2.tc	Method	TBLASTX:Cress
Start	10819	End	17780
GI	none	Score	84

Exons	10819..10932, 10821..11054, 10984..11049, 11192..11275, 11194..11277, 16795..16908, 17727..17780		
Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101645	Strand	-
Start	22863	End	25845
Name	OJ000204_07.0306.C11.o1.tw	Method	TBLASTX:Wheat
Start	10870	End	17780
GI	none	Score	205
Exons	10870..11055, 10896..11054, 11194..11277, 11195..11278, 11329..11406, 11336..11404, 16858..16908, 17727..17780		
Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101645	Strand	-
Start	22863	End	25845
Name	OJ000204_07.0306.C11.o10.gs	Method	GENSCAN
Start	22863	End	24953
GI	none	Score	1
Exons	22863..24953		
Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101645	Strand	-
Start	22863	End	25845
Name	OJ000204_07.0306.C11.o2.ts	Method	TBLASTX:Soybean
Start	22926	End	24482
GI	none	Score	67
Exons	22926..23234, 23034..23768, 23040..23822, 23040..23576, 23040..23492, 23103..23264, 23104..23310, 23107..23394, 23124..23717, 23238..23855, 23253..23441, 23322..23963, 23347..23625, 23419..23616, 23472..23651, 24003..24434, 24006..24206, 24013..24315, 24048..24404, 24048..24179, 24049..24435, 24049..24141, 24051..24479, 24069..24479, 24070..24282, 24102..24284, 24207..24380, 24348..24482		
Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101645	Strand	-
Start	22863	End	25845
Name	OJ000204_07.0306.C11.o6.np	Method	AAT/NAP
Start	22947	End	25845
GI	6598837	Score	580
Exons	22947..23801, 23907..24584, 25818..25845		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		
Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101645	Strand	-
Start	22863	End	25845
Name	OJ000204_07.0306.C11.o1.tc	Method	TBLASTX:Cress
Start	23022	End	24479
GI	none	Score	132
Exons	23022..23390, 23037..23288, 23040..23495, 23118..23684, 23223..23801, 23251..23685, 24000..24335, 24015..24440, 24054..24479, 24066..24479, 24165..24440		
Seq. No.	47763	Seq. ID	OJ000204_07.0306.C11
Gene No.	101645	Strand	-
Start	22863	End	25845
Name	OJ000204_07.0306.C11.o1.tm	Method	TBLASTX:Maize

Start	23073	End	24395
GI	none	Score	78
Exons	23073..23345, 23158..23427, 23160..23441, 23368..23661, 23370..23660, 24000..24281, 24120..24395, 24124..24381		

Seq. No.	47764	Seq. ID	OJ000204_07.0306.C12
Gene No.	101646	Strand	+
Start	433	End	3175
Name	OJ000204_07.0306.C12.o1.np	Method	AAT/NAP
Start	433	End	2172
GI	6505722	Score	170
Exons	433..527, 842..1668, 1740..1940, 2055..2172		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		

Seq. No.	47764	Seq. ID	OJ000204_07.0306.C12
Gene No.	101646	Strand	+
Start	433	End	3175
Name	OJ000204_07.0306.C12.o2.np	Method	AAT/NAP
Start	769	End	3175
GI	7413545	Score	127
Exons	769..999, 1032..1435, 3141..3175		
GI Descrip.	(AL162973) putative protein [Arabidopsis thaliana]		

Seq. No.	47764	Seq. ID	OJ000204_07.0306.C12
Gene No.	101647	Strand	+
Start	11378	End	23739
Name	OJ000204_07.0306.C12.o3.np	Method	AAT/NAP
Start	11378	End	23739
GI	6505722	Score	85
Exons	11378..11467, 20267..20418, 23691..23739		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		

Seq. No.	47764	Seq. ID	OJ000204_07.0306.C12
Gene No.	101647	Strand	+
Start	11378	End	23739
Name	OJ000204_07.0306.C12.o2.gs	Method	GENSCAN
Start	16160	End	21583
GI	none	Score	.54
Exons	16160..16224, 16453..16551, 19748..19858, 20340..20432, 20617..20848, 20943..21074, 21206..21583		

Seq. No.	47764	Seq. ID	OJ000204_07.0306.C12
Gene No.	101648	Strand	-
Start	12411	End	12481
Name	OJ000204_07.0306.C12.o1.gp	Method	AAT/GAP
Start	12411	End	12481
GI	uC-osflM202097d10b1	Score	91
Exons	12411..12481		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	47764	Seq. ID	OJ000204_07.0306.C12
Gene No.	101649	Strand	-

Start	22748	End	23053
Name	OJ000204_07.0306.C12.o4.np	Method	AAT/NAP
Start	22748	End	23053
GI	6815099	Score	96
Exons	22748:.23053		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47765	Seq. ID	OJ000204_07.0306.C13
Gene No.	101650	Strand	+
Start	446	End	1531
Name	OJ000204_07.0306.C13.o1.gs	Method	GENSCAN
Start	446	End	1531
GI	none	Score	.62
Exons	446..511, 1469..1531		

Seq. No.	47765	Seq. ID	OJ000204_07.0306.C13
Gene No.	101651	Strand	+
Start	3651	End	12102
Name	OJ000204_07.0306.C13.o1.np	Method	AAT/NAP
Start	3651	End	8415
GI	7248394	Score	304
Exons	3651..3745, 7321..7654, 8038..8415		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	47765	Seq. ID	OJ000204_07.0306.C13
Gene No.	101651	Strand	+
Start	3651	End	12102
Name	OJ000204_07.0306.C13.o3.np	Method	AAT/NAP
Start	8088	End	12102
GI	4531442	Score	131
Exons	8088..8125, 10446..10748, 11118..11159, 12084..12102		
GI Descrip.	(AC006224) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47765	Seq. ID	OJ000204_07.0306.C13
Gene No.	101651	Strand	+
Start	3651	End	12102
Name	OJ000204_07.0306.C13.o4.gs	Method	GENSCAN
Start	8737	End	10054
GI	none	Score	.8
Exons	8737..8799, 9037..9203, 9276..9408, 9702..9769, 9889..10054		

Seq. No.	47765	Seq. ID	OJ000204_07.0306.C13
Gene No.	101652	Strand	+
Start	18144	End	20969
Name	OJ000204_07.0306.C13.o4.np	Method	AAT/NAP
Start	17860	End	20969
GI	6505722	Score	165
Exons	17860..17953, 18373..19222, 19316..19440, 19562..19744, 20807..20969		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		

Seq. No.	47765	Seq. ID	OJ000204_07.0306.C13
Gene No.	101652	Strand	+
Start	18144	End	20969
Name	OJ000204_07.0306.C13.o6.gs	Method	GENSCAN
Start	18144	End	19954
GI	none	Score	.49
Exons	18144..18458, 18526..18648, 18691..19209, 19309..19440, 19577..19954		

Seq. No.	47765	Seq. ID	OJ000204_07.0306.C13
Gene No.	101653	Strand	-
Start	2716	End	4984
Name	OJ000204_07.0306.C13.o2.gs	Method	GENSCAN
Start	2716	End	4984
GI	none	Score	.49
Exons	2716..2805, 3863..4084, 4844..4984		

Seq. No.	47765	Seq. ID	OJ000204_07.0306.C13
Gene No.	101654	Strand	-
Start	11034	End	16847
Name	OJ000204_07.0306.C13.o1.ts	Method	TBLASTX:Soybean
Start	10426	End	10740
GI	none	Score	193
Exons	10426..10626, 10439..10675, 10633..10740, 10659..10739		

Seq. No.	47765	Seq. ID	OJ000204_07.0306.C13
Gene No.	101654	Strand	-
Start	11034	End	16847
Name	OJ000204_07.0306.C13.o5.gs	Method	GENSCAN
Start	11034	End	16847
GI	none	Score	.58
Exons	11034..11128, 11853..11939, 12055..12154, 12197..12315, 12427..12513, 12750..12893, 13453..13647, 15239..15319, 16682..16847		

Seq. No.	47766	Seq. ID	OJ000204_07.0306.C14
Gene No.	101655	Strand	+
Start	1	End	2126
Name	OJ000204_07.0306.C14.o1.np	Method	AAT/NAP
Start	1	End	1234
GI	134102	Score	135
Exons	1..18, 935..1234		
GI Descrip.	RUBISCO SUBUNIT BINDING-PROTEIN ALPHA SUBUNIT PRECURSOR (60 KD CHAPERONIN ALPHA SUBUNIT) (CPN-60 ALPHA) gi|72959|pir||HHWTBA chaperonin groEL alpha chain precursor - wheat (fragment) gi|1345582|emb|CAA30699.1| (X07851) rubisco subunit binding-protein alpha subunit (543 AA) [Triticum aestivum]		

Seq. No.	47766	Seq. ID	OJ000204_07.0306.C14
Gene No.	101655	Strand	+
Start	1	End	2126
Name	OJ000204_07.0306.C14.o1.gs	Method	GENSCAN
Start	980	End	2126
GI	none	Score	.7
Exons	980..1083, 2029..2126		

Seq. No.	47766	Seq. ID	OJ000204_07.0306.C14

Gene No.	101656	Strand	-
Start	3507	End	4624
Name	OJ000204_07.0306.C14.o1.tm	Method	TBLASTX:Maize
Start	936	End	1183
GI	none	Score	61
Exons	936..974, 937..975, 987..1121, 1043..1183		

Seq. No.	47766	Seq. ID	OJ000204_07.0306.C14
Gene No.	101656	Strand	-
Start	3507	End	4624
Name	OJ000204_07.0306.C14.o2.gs	Method	GENSCAN
Start	3507	End	4624
GI	none	Score	.72
Exons	3507..3575, 4574..4624		

Seq. No.	47767	Seq. ID	OJ000214_06.0309.C4
Gene No.	101657	Strand	+
Start	803	End	5506
Name	OJ000214_06.0309.C4.o1.gs	Method	GENSCAN
Start	803	End	5506
GI	none	Score	.94
Exons	803..1613, 2406..2587, 2879..3092, 3178..3415, 3667..3820, 4757..4879, 5294..5379, 5488..5506		

Seq. No.	47767	Seq. ID	OJ000214_06.0309.C4
Gene No.	101657	Strand	+
Start	803	End	5506
Name	OJ000214_06.0309.C4.o1.np	Method	AAT/NAP
Start	2488	End	4271
GI	7434413	Score	732
Exons	2488..2587, 2879..3092, 3178..3415, 3667..3820, 3952..4271		
GI Descrip.	receptor-like kinase (EC 2.7.1.-) SFR2 - wild cabbage gi|1783312|emb|CAA67145.1| (X98520) receptor-like kinase [Brassica oleracea]		

Seq. No.	47767	Seq. ID	OJ000214_06.0309.C4
Gene No.	101658	Strand	-
Start	6261	End	6938
Name	OJ000214_06.0309.C4.o1.tc	Method	TBLASTX:Cress
Start	2498	End	4158
GI	none	Score	108
Exons	2498..2587, 2500..2586, 2873..3046, 2878..3030, 3035..3091, 3152..3412, 3186..3413, 3670..3777, 3671..3793, 3952..4020, 4017..4139, 4024..4158		

Seq. No.	47767	Seq. ID	OJ000214_06.0309.C4
Gene No.	101658	Strand	-
Start	6261	End	6938
Name	OJ000214_06.0309.C4.o1.ts	Method	TBLASTX:Soybean
Start	2501	End	4158
GI	none	Score	99
Exons	2501..2587, 2873..3046, 2878..3027, 3031..3090, 3035..3091, 3177..3413, 3290..3412, 3667..3762, 3668..3784, 3948..4010, 4024..4158, 4029..4157		

Seq. No.	47767	Seq. ID	OJ000214_06.0309.C4
Gene No.	101658	Strand	-

Start	6261	End	6938
Name	OJ000214_06.0309.C4.o1.tm	Method	TBLASTX:Maize
Start	2873	End	3413
GI	none	Score	192
Exons	2873..3046, 2878..3018, 3017..3091, 3155..3412, 3177..3413		

Seq. No.	47767	Seq. ID	OJ000214_06.0309.C4
Gene No.	101658	Strand	-
Start	6261	End	6938
Name	OJ000214_06.0309.C4.o1.tw	Method	TBLASTX:Wheat
Start	3017	End	3418
GI	none	Score	82
Exons	3017..3091, 3028..3087, 3048..3095, 3152..3418, 3186..3407		

Seq. No.	47767	Seq. ID	OJ000214_06.0309.C4
Gene No.	101658	Strand	-
Start	6261	End	6938
Name	OJ000214_06.0309.C4.o3.tm	Method	TBLASTX:Maize
Start	6240	End	6512
GI	none	Score	84
Exons	6240..6419, 6240..6416, 6274..6417, 6450..6512		

Seq. No.	47767	Seq. ID	OJ000214_06.0309.C4
Gene No.	101658	Strand	-
Start	6261	End	6938
Name	OJ000214_06.0309.C4.o2.gs	Method	GENSCAN
Start	6261	End	6914
GI	none	Score	.91
Exons	6261..6914		

Seq. No.	47767	Seq. ID	OJ000214_06.0309.C4
Gene No.	101658	Strand	-
Start	6261	End	6938
Name	OJ000214_06.0309.C4.o2.tm	Method	TBLASTX:Maize
Start	6645	End	6938
GI	none	Score	99
Exons	6645..6752, 6759..6938, 6760..6930		

Seq. No.	47768	Seq. ID	OJ000214_06.0309.C7
Gene No.	101659	Strand	+
Start	398	End	674
Name	OJ000214_06.0309.C7.o1.gs	Method	GENSCAN
Start	398	End	674
GI	none	Score	.81
Exons	398..674		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101660	Strand	+
Start	7417	End	18231
Name	OJ000214_06.0309.C8.o2.np	Method	AAT/NAP
Start	7417	End	18231
GI	4680184	Score	344
Exons	7417..7480, 10491..10577, 10780..10982, 11039..11601, 14952..15152, 18159..18231		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8

Gene No.	101660	Strand	+
Start	7417	End	18231
Name	OJ000214_06.0309.C8.o4.gs	Method	GENSCAN
Start	11122	End	13248
GI	none	Score	.49
Exons	11122..11264, 11400..11601, 12025..12214, 12353..12930, 13087..13248		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101660	Strand	+
Start	7417	End	18231
Name	OJ000214_06.0309.C8.o2.gp	Method	AAT/GAP
Start	13488	End	13568
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	13488..13568		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101660	Strand	+
Start	7417	End	18231
Name	OJ000214_06.0309.C8.o3.gp	Method	AAT/GAP
Start	14680	End	14790
GI	uC-osflcyp088b12b1	Score	154
Exons	14680..14790		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101661	Strand	-
Start	465	End	2978
Name	OJ000214_06.0309.C8.o1.gs	Method	GENSCAN
Start	465	End	2978
GI	none	Score	.92
Exons	465..675, 727..758, 879..1076, 1200..1310, 2147..2978		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101662	Strand	-
Start	5062	End	5263
Name	OJ000214_06.0309.C8.o1.gp	Method	AAT/GAP
Start	5062	End	5263
GI	2796366	Score	391
Exons	5062..5263		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101663	Strand	-
Start	14230	End	18615
Name	OJ000214_06.0309.C8.o1.tm	Method	TBLASTX:Maize
Start	464	End	681
GI	none	Score	211
Exons	464..655, 465..677, 466..678, 466..681		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101663	Strand	-
Start	14230	End	18615
Name	OJ000214_06.0309.C8.o1.tc	Method	TBLASTX:Cress
Start	466	End	996

GI	none	Score	43
Exons	466..516, 470..502, 520..681, 557..676, 883..996		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101663	Strand	-
Start	14230	End	18615
Name	OJ000214_06.0309.C8.o1.ts	Method	TBLASTX:Soybean
Start	466	End	981
GI	none	Score	123
Exons	466..681, 467..676, 883..981		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101663	Strand	-
Start	14230	End	18615
Name	OJ000214_06.0309.C8.o1.tw	Method	TBLASTX:Wheat
Start	466	End	681
GI	none	Score	39
Exons	466..681, 473..502, 557..676		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101663	Strand	-
Start	14230	End	18615
Name	OJ000214_06.0309.C8.o3.np	Method	AAT/NAP
Start	13927	End	18362
GI	5107823	Score	169
Exons	13927..13979, 16256..16624, 18337..18362		
GI Descrip.	(AF149413) contains similarity to leucine rich repeats (Pfam PF00560, Score=225.3, E=9.2e-64, N=12); may be a pseudogene [Arabidopsis thaliana]		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101663	Strand	-
Start	14230	End	18615
Name	OJ000214_06.0309.C8.o5.gs	Method	GENSCAN
Start	14230	End	18615
GI	none	Score	.79
Exons	14230..14318, 16201..16641, 17141..17220, 17750..18615		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101663	Strand	-
Start	14230	End	18615
Name	OJ000214_06.0309.C8.o2.tc	Method	TBLASTX:Cress
Start	16265	End	16642
GI	none	Score	49
Exons	16265..16522, 16304..16486, 16304..16501, 16307..16501, 16310..16525, 16310..16513, 16310..16486, 16340..16516, 16364..16510, 16379..16513, 16541..16642, 16541..16615, 16541..16624, 16541..16636		

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101663	Strand	-
Start	14230	End	18615
Name	OJ000214_06.0309.C8.o2.tm	Method	TBLASTX:Maize
Start	16266	End	16625
GI	none	Score	158
Exons	16266..16499, 16295..16534, 16307..16489, 16308..16340, 16310..16513, 16319..16501, 16389..16487, 16541..16624,		

16541..16570, 16548..16625

Seq. No.	47769	Seq. ID	OJ000214_06.0309.C8
Gene No.	101663	Strand	-
Start	14230	End	18615
Name	OJ000214_06.0309.C8.o2.ts	Method	TBLASTX:Soybean
Start	16266	End	16525
GI	none	Score	114
Exons	16266..16520, 16289..16513, 16298..16525, 16310..16495, 16310..16447, 16311..16475		

Seq. No.	47770	Seq. ID	OJ000214_06.0309.C9
Gene No.	101664	Strand	+
Start	230	End	645
Name	OJ000214_06.0309.C9.o1.gs	Method	GENSCAN
Start	230	End	645
GI	none	Score	.68
Exons	230..364, 517..645		

Seq. No.	47770	Seq. ID	OJ000214_06.0309.C9
Gene No.	101665	Strand	+
Start	1326	End	2471
Name	OJ000214_06.0309.C9.o2.gs	Method	GENSCAN
Start	1326	End	2471
GI	none	Score	.99
Exons	1326..2471		

Seq. No.	47770	Seq. ID	OJ000214_06.0309.C9
Gene No.	101666	Strand	-
Start	1119	End	1294
Name	OJ000214_06.0309.C9.o1.gp	Method	AAT/GAP
Start	1119	End	1294
GI	2800454	Score	238
Exons	1119..1294		

Seq. No.	47771	Seq. ID	OJ000214_06.0309.C10
Gene No.	101667	Strand	+
Start	1205	End	2920
Name	OJ000214_06.0309.C10.o1.np	Method	AAT/NAP
Start	1205	End	2920
GI	6907087	Score	1069
Exons	1205..1573, 1622..2278, 2819..2920		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47771	Seq. ID	OJ000214_06.0309.C10
Gene No.	101667	Strand	+
Start	1205	End	2920
Name	OJ000214_06.0309.C10.o1.gs	Method	GENSCAN
Start	1516	End	2403
GI	none	Score	.56
Exons	1516..2403		

Seq. No.	47771	Seq. ID	OJ000214_06.0309.C10
Gene No.	101668	Strand	+
Start	3377	End	3756

Name	OJ000214_06.0309.C10.o2.gp	Method	AAT/GAP
Start	3377	End	3756
GI	uC-osflcyp033a04b1	Score	625
Exons	3377..3756		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47771	Seq. ID	OJ000214_06.0309.C10
Gene No.	101669	Strand	-
Start	1	End	438
Name	OJ000214_06.0309.C10.o1.gp	Method	AAT/GAP
Start	1	End	438
GI	2315_5.R1084	Score	374
Exons	1..45, 175..438		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47771	Seq. ID	OJ000214_06.0309.C10
Gene No.	101670	Strand	-
Start	2813	End	3510
Name	OJ000214_06.0309.C10.o2.gs	Method	GENSCAN
Start	2813	End	3510
GI	none	Score	.68
Exons	2813..2919, 3357..3510		

Seq. No.	47771	Seq. ID	OJ000214_06.0309.C10
Gene No.	101670	Strand	-
Start	2813	End	3510
Name	OJ000214_06.0309.C10.o2.np	Method	AAT/NAP
Start	3310	End	3510
GI	4680186	Score	328
Exons	3310..3510		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47772	Seq. ID	OJ000214_06.0309.C11
Gene No.	101671	Strand	+
Start	169	End	2632
Name	OJ000214_06.0309.C11.o1.tc	Method	TBLASTX:Cress
Start	168	End	1399
GI	none	Score	142
Exons	168..293, 169..336, 322..381, 478..705, 489..704, 904..996, 905..1021, 1222..1353, 1232..1399, 1233..1370		

Seq. No.	47772	Seq. ID	OJ000214_06.0309.C11
Gene No.	101671	Strand	+
Start	169	End	2632
Name	OJ000214_06.0309.C11.o1.ts	Method	TBLASTX:Soybean
Start	168	End	1370
GI	none	Score	162
Exons	168..293, 169..336, 322..381, 327..374, 475..705, 579..656, 889..1026, 901..1086, 902..1027, 1232..1369, 1233..1370		

Seq. No.	47772	Seq. ID	OJ000214_06.0309.C11
Gene No.	101671	Strand	+
Start	169	End	2632
Name	OJ000214_06.0309.C11.o1.gs	Method	GENSCAN
Start	169	End	2326

GI	none	Score	.84
Exons	169..382, 470..707, 901..968,	1219..1415, 2144..2326	

Seq. No.	47772	Seq. ID	OJ000214_06.0309.C11
Gene No.	101671	Strand	+
Start	169	End	2632
Name	OJ000214_06.0309.C11.o1.tm	Method	TBLASTX:Maize
Start	169	End	708
GI	none	Score	164
Exons	169..336, 183..290, 307..387, 493..708	327..380, 478..705, 480..704,	

Seq. No.	47772	Seq. ID	OJ000214_06.0309.C11
Gene No.	101671	Strand	+
Start	169	End	2632
Name	OJ000214_06.0309.C11.o1.np	Method	AAT/NAP
Start	169	End	2632
GI	7488202	Score	596
Exons	169..382, 461..707, 901..1054,	1164..1394, 2609..2632	
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F25E4.80 - Arabidopsis thaliana gi|7267846|emb|CAB78189.1| (AL161532) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7321043|emb|CAB82151.1| (AL050399) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	47772	Seq. ID	OJ000214_06.0309.C11
Gene No.	101671	Strand	+
Start	169	End	2632
Name	OJ000214_06.0309.C11.o1.tw	Method	TBLASTX:Wheat
Start	307	End	710
GI	none	Score	94
Exons	307..387, 322..387, 478..699,	493..669, 513..710	

Seq. No.	47773	Seq. ID	OJ000214_06.0309.C12
Gene No.	101672	Strand	-
Start	329	End	1271
Name	OJ000214_06.0309.C12.o1.np	Method	AAT/NAP
Start	329	End	1271
GI	2407802	Score	28
Exons	329..570, 1233..1271		
GI Descrip.	(Y12576) histone H2B [Arabidopsis thaliana] gi|7339499|emb|CAB82822.1| (AL162459) histone H2B [Arabidopsis thaliana]		

Seq. No.	47774	Seq. ID	OJ000214_06.0309.C13
Gene No.	101673	Strand	+
Start	1	End	714
Name	OJ000214_06.0309.C13.o1.np	Method	AAT/NAP
Start	1	End	714
GI	6630685	Score	194
Exons	1..714		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	47774	Seq. ID	OJ000214_06.0309.C13
Gene No.	101673	Strand	+
Start	1	End	714

Name	OJ000214_06.0309.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	293
GI	none	Score	135
Exons	1..147, 11..148, 60..161, 177..293		

Seq. No.	47774	Seq. ID	OJ000214_06.0309.C13
Gene No.	101673	Strand	+
Start	1	End	714
Name	OJ000214_06.0309.C13.o1.gs	Method	GENSCAN
Start	78	End	575
GI	none	Score	.85
Exons	78..575		

Seq. No.	47775	Seq. ID	OJ000214_06.0309.C14
Gene No.	101674	Strand	+
Start	1	End	514
Name	OJ000214_06.0309.C14.o1.np	Method	AAT/NAP
Start	1	End	514
GI	7489803	Score	535
Exons	1..514		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	47775	Seq. ID	OJ000214_06.0309.C14
Gene No.	101675	Strand	+
Start	6725	End	8150
Name	OJ000214_06.0309.C14.o4.np	Method	AAT/NAP
Start	6725	End	8150
GI	5852084	Score	72
Exons	6725..6753, 8067..8150		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	47775	Seq. ID	OJ000214_06.0309.C14
Gene No.	101676	Strand	-
Start	2764	End	4633
Name	OJ000214_06.0309.C14.o2.np	Method	AAT/NAP
Start	2764	End	4633
GI	6907086	Score	1489
Exons	2764..2924, 3002..3180, 3294..3350, 3566..3800, 3861..4633		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47775	Seq. ID	OJ000214_06.0309.C14
Gene No.	101676	Strand	-
Start	2764	End	4633
Name	OJ000214_06.0309.C14.o2.gs	Method	GENSCAN
Start	4006	End	4314
GI	none	Score	.91
Exons	4006..4314		

Seq. No.	47775	Seq. ID	OJ000214_06.0309.C14
Gene No.	101677	Strand	-
Start	4885	End	7507
Name	OJ000214_06.0309.C14.o1.tm	Method	TBLASTX:Maize
Start	5	End	496
GI	none	Score	501
Exons	5..496, 7..495		

Seq. No.	47775	Seq. ID	OJ000214_06.0309.C14
Gene No.	101677	Strand	-
Start	4885	End	7507
Name	OJ000214_06.0309.C14.o1.ts	Method	TBLASTX:Soybean
Start	8	End	538
GI	none	Score	138
Exons	8..247, 52..162, 275..538, 280..441		

Seq. No.	47775	Seq. ID	OJ000214_06.0309.C14
Gene No.	101677	Strand	-
Start	4885	End	7507
Name	OJ000214_06.0309.C14.o3.gs	Method	GENSCAN
Start	4885	End	7507
GI	none	Score	.62
Exons	4885..5025, 5168..5272, 6171..6203, 7394..7507		

Seq. No.	47775	Seq. ID	OJ000214_06.0309.C14
Gene No.	101677	Strand	-
Start	4885	End	7507
Name	OJ000214_06.0309.C14.o3.np	Method	AAT/NAP
Start	5341	End	7273
GI	4680186	Score	180
Exons	5341..5760, 6263..6366, 7244..7273		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47776	Seq. ID	OJ000214_06.0309.C16
Gene No.	101678	Strand	+
Start	2516	End	4095
Name	OJ000214_06.0309.C16.o1.gp	Method	AAT/GAP
Start	2516	End	2965
GI	none	Score	830
Exons	2516..2965		

Seq. No.	47776	Seq. ID	OJ000214_06.0309.C16
Gene No.	101678	Strand	+
Start	2516	End	4095
Name	OJ000214_06.0309.C16.o1.gs	Method	GENSCAN
Start	2734	End	4095
GI	none	Score	.89
Exons	2734..4095		

Seq. No.	47776	Seq. ID	OJ000214_06.0309.C16
Gene No.	101679	Strand	+
Start	7622	End	8947
Name	OJ000214_06.0309.C16.o1.np	Method	AAT/NAP
Start	7557	End	8944
GI	7487145	Score	796
Exons	7557..8944		
GI Descrip.	hypothetical protein T18E12.13 - Arabidopsis thaliana gi|3548810|gb|AAC34482.1| (AC005313) putative chloroplast nucleoid DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	47776	Seq. ID	OJ000214_06.0309.C16
Gene No.	101679	Strand	+
Start	7622	End	8947
Name	OJ000214_06.0309.C16.o3.gs	Method	GENSCAN

Start	7622	End	8947
GI	none	Score	.96
Exons	7622..8947		

Seq. No.	47776	Seq. ID	OJ000214_06.0309.C16
Gene No.	101680	Strand	-
Start	2990	End	3481
Name	OJ000214_06.0309.C16.o2.gp	Method	AAT/GAP
Start	2990	End	3481
GI	54863_1.R1084	Score	945
Exons	2990..3481		
GI Descrip.	'3548810 9.0e-29 (AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]'		

Seq. No.	47776	Seq. ID	OJ000214_06.0309.C16
Gene No.	101681	Strand	-
Start	4903	End	5577
Name	OJ000214_06.0309.C16.o2.gs	Method	GENSCAN
Start	4903	End	5577
GI	none	Score	.61
Exons	4903..5577		

Seq. No.	47776	Seq. ID	OJ000214_06.0309.C16
Gene No.	101682	Strand	-
Start	9504	End	10182
Name	OJ000214_06.0309.C16.o1.tc	Method	TBLASTX:Cress
Start	3000	End	10179
GI	none	Score	102
Exons	3000..3110, 3001..3108, 3112..3183, 3354..3476, 3454..3507, 3628..3840, 3883..3942, 3982..4089, 7895..7984, 7988..8095, 8129..8395, 8146..8358, 8495..8599, 8834..8935, 10030..10179		

Seq. No.	47776	Seq. ID	OJ000214_06.0309.C16
Gene No.	101682	Strand	-
Start	9504	End	10182
Name	OJ000214_06.0309.C16.o1.ts	Method	TBLASTX:Soybean
Start	3000	End	10182
GI	none	Score	158
Exons	3000..3098, 3001..3102, 3109..3189, 3280..3324, 3402..3503, 3463..3516, 3580..3816, 3805..3840, 3904..4095, 7894..7980, 7895..7981, 7987..8064, 7988..8095, 8125..8202, 8126..8203, 8263..8394, 8264..8416, 8470..8598, 8492..8599, 8722..8934, 8723..8950, 9681..9905, 9937..10002, 10072..10182		

Seq. No.	47776	Seq. ID	OJ000214_06.0309.C16
Gene No.	101682	Strand	-
Start	9504	End	10182
Name	OJ000214_06.0309.C16.o3.tm	Method	TBLASTX:Maize
Start	3025	End	10179
GI	none	Score	81
Exons	3025..3108, 3112..3183, 3244..3276, 3354..3476, 7913..7981, 7988..8095, 8108..8401, 8146..8400, 10072..10179		

Seq. No.	47776	Seq. ID	OJ000214_06.0309.C16
Gene No.	101682	Strand	-
Start	9504	End	10182
Name	OJ000214_06.0309.C16.o1.tm	Method	TBLASTX:Maize

Start	3500	End	10038
GI	none	Score	74
Exons	3500..3520, 3546..3653, 3555..3689, 3556..3840, 3735..3839, 8408..8449, 8476..8598, 8495..8599, 9928..10038		

Seq. No.	47776	Seq. ID	OJ000214_06.0309.C16
Gene No.	101682	Strand	-
Start	9504	End	10182
Name	OJ000214_06.0309.C16.o2.tm	Method	TBLASTX:Maize
Start	3882	End	9734
GI	none	Score	41
Exons	3882..3908, 3903..4127, 3904..4113, 4124..4177, 8738..8947, 8744..8791, 8854..8934, 9483..9602, 9681..9734		

Seq. No.	47776	Seq. ID	OJ000214_06.0309.C16
Gene No.	101682	Strand	-
Start	9504	End	10182
Name	OJ000214_06.0309.C16.o4.gs	Method	GENSCAN
Start	9504	End	10043
GI	none	Score	.56
Exons	9504..10043		

Seq. No.	47777	Seq. ID	OJ000214_06.0309.C17
Gene No.	101683	Strand	+
Start	1226	End	1679
Name	OJ000214_06.0309.C17.o1.gp	Method	AAT/GAP
Start	1226	End	1679
GI	7406_1.R1084	Score	217
Exons	1226..1255, 1518..1679		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	47777	Seq. ID	OJ000214_06.0309.C17
Gene No.	101684	Strand	-
Start	1	End	1075
Name	OJ000214_06.0309.C17.o1.np	Method	AAT/NAP
Start	1	End	1075
GI	7228442	Score	1873
Exons	1..1075		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	47777	Seq. ID	OJ000214_06.0309.C17
Gene No.	101684	Strand	-
Start	1	End	1075
Name	OJ000214_06.0309.C17.o1.gs	Method	GENSCAN
Start	18	End	1075
GI	none	Score	.93
Exons	18..1075		

Seq. No.	47778	Seq. ID	OJ000214_06.0309.C18
Gene No.	101685	Strand	-
Start	458	End	527
Name	OJ000214_06.0309.C18.o1.gs	Method	GENSCAN
Start	458	End	527
GI	none	Score	.93

Exons	458..527		
Seq. No.	47779	Seq. ID	OJ000214_06.0309.C21
Gene No.	101686	Strand	+
Start	855	End	1752
Name	OJ000214_06.0309.C21.o1.gs	Method	GENSCAN
Start	855	End	1752
GI	none	Score	.6
Exons	855..906, 1694..1752		
Seq. No.	47779	Seq. ID	OJ000214_06.0309.C21
Gene No.	101687	Strand	+
Start	3265	End	3677
Name	OJ000214_06.0309.C21.o1.gp	Method	AAT/GAP
Start	3265	End	3677
GI	49836_1.R1084	Score	730
Exons	3265..3677		
GI Descrip.	'836954 3.0e-10 (U20948) receptor protein kinase [Ipomoea trifida]'		
Seq. No.	47779	Seq. ID	OJ000214_06.0309.C21
Gene No.	101688	Strand	-
Start	1	End	2720
Name	OJ000214_06.0309.C21.o1.np	Method	AAT/NAP
Start	1	End	2720
GI	6006367	Score	54
Exons	1..37, 1061..1197, 2693..2720		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	47779	Seq. ID	OJ000214_06.0309.C21
Gene No.	101689	Strand	-
Start	3446	End	11695
Name	OJ000214_06.0309.C21.o2.np	Method	AAT/NAP
Start	3425	End	11695
GI	7267280	Score	921
Exons	3425..3754, 3869..4019, 4155..4392, 4521..4731, 4869..4974, 5104..5261, 8260..8989, 11674..11695		
GI Descrip.	(AL161503) receptor protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	47779	Seq. ID	OJ000214_06.0309.C21
Gene No.	101689	Strand	-
Start	3446	End	11695
Name	OJ000214_06.0309.C21.o2.tm	Method	TBLASTX:Maize
Start	3432	End	4019
GI	none	Score	39
Exons	3432..3521, 3513..3680, 3530..3754, 3869..4018, 3870..4019		
Seq. No.	47779	Seq. ID	OJ000214_06.0309.C21
Gene No.	101689	Strand	-
Start	3446	End	11695
Name	OJ000214_06.0309.C21.o2.gs	Method	GENSCAN
Start	3446	End	9116
GI	none	Score	.53
Exons	3446..3754, 3869..4019, 4155..4392, 4521..4731, 4869..5068, 5150..5260, 5398..5517, 5584..5883, 6417..6506, 8288..9116		

Seq. No.	47779	Seq. ID	OJ000214_06.0309.C21
Gene No.	101689	Strand	-
Start	3446	End	11695
Name	OJ000214_06.0309.C21.o1.tc	Method	TBLASTX:Cress
Start	3465	End	8510
GI	none	Score	93
Exons	3465..3683, 3542..3754, 3899..4015, 3900..4016, 4115..4339, 4157..4393, 4158..4394, 4164..4412, 4522..4749, 4523..4717, 4864..4968, 4869..4976, 4986..5030, 5073..5147, 8301..8510		

Seq. No.	47779	Seq. ID	OJ000214_06.0309.C21
Gene No.	101689	Strand	-
Start	3446	End	11695
Name	OJ000214_06.0309.C21.o1.ts	Method	TBLASTX:Soybean
Start	3542	End	4740
GI	none	Score	89
Exons	3542..3754, 3543..3686, 3869..4018, 3873..4019, 4157..4393, 4158..4367, 4184..4372, 4504..4740, 4553..4732		

Seq. No.	47779	Seq. ID	OJ000214_06.0309.C21
Gene No.	101689	Strand	-
Start	3446	End	11695
Name	OJ000214_06.0309.C21.o1.tw	Method	TBLASTX:Wheat
Start	4152	End	4600
GI	none	Score	191
Exons	4152..4379, 4163..4393, 4522..4599, 4523..4600		

Seq. No.	47779	Seq. ID	OJ000214_06.0309.C21
Gene No.	101689	Strand	-
Start	3446	End	11695
Name	OJ000214_06.0309.C21.o1.tm	Method	TBLASTX:Maize
Start	4154	End	4749
GI	none	Score	170
Exons	4154..4381, 4156..4392, 4157..4393, 4158..4412, 4167..4412, 4522..4749, 4523..4732		

Seq. No.	47779	Seq. ID	OJ000214_06.0309.C21
Gene No.	101689	Strand	-
Start	3446	End	11695
Name	OJ000214_06.0309.C21.o2.gp	Method	AAT/GAP
Start	8706	End	9211
GI	none	Score	938
Exons	8706..9211		

Seq. No.	47780	Seq. ID	OJ000214_06.0309.C22
Gene No.	101690	Strand	+
Start	1	End	3445
Name	OJ000214_06.0309.C22.o1.np	Method	AAT/NAP
Start	1	End	1855
GI	7228438	Score	2127
Exons	1..133, 218..628, 719..1017, 1094..1352, 1445..1627, 1785..1855		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	47780	Seq. ID	OJ000214_06.0309.C22
Gene No.	101690	Strand	+

Start	1	End	3445
Name	OJ000214_06.0309.C22.o2.np	Method	AAT/NAP
Start	1	End	2725
GI	7228442	Score	277
Exons	1..121, 2541..2725		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	47780	Seq. ID	OJ000214_06.0309.C22
Gene No.	101690	Strand	+
Start	1	End	3445
Name	OJ000214_06.0309.C22.o1.gs	Method	GENSCAN
Start	47	End	3445
GI	none	Score	.65
Exons	47..133, 218..628, 719..1017, 1094..1352, 1445..1570, 1597..1694, 1941..2072, 2136..2183, 2188..2390, 2541..2724, 3283..3445		

Seq. No.	47780	Seq. ID	OJ000214_06.0309.C22
Gene No.	101690	Strand	+
Start	1	End	3445
Name	OJ000214_06.0309.C22.o1.gp	Method	AAT/GAP
Start	845	End	1344
GI	LIB3475-007-P1-K1-G8	Score	801
Exons	845..1017, 1094..1344		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	47780	Seq. ID	OJ000214_06.0309.C22
Gene No.	101691	Strand	-
Start	2130	End	3375
Name	OJ000214_06.0309.C22.o3.np	Method	AAT/NAP
Start	2130	End	3375
GI	6721543	Score	128
Exons	2130..2189, 3245..3375		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47780	Seq. ID	OJ000214_06.0309.C22
Gene No.	101691	Strand	-
Start	2130	End	3375
Name	OJ000214_06.0309.C22.o2.gp	Method	AAT/GAP
Start	2922	End	3361
GI	7406_1.R1084	Score	576
Exons	2922..2996, 3031..3361		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	47781	Seq. ID	OJ000214_06.0309.C23
Gene No.	101692	Strand	+
Start	186	End	1319
Name	OJ000214_06.0309.C23.o1.gs	Method	GENSCAN
Start	186	End	1319
GI	none	Score	.65
Exons	186..1319		

Seq. No.	47782	Seq. ID	OJ000214_06.0309.C24
Gene No.	101693	Strand	+
Start	3378	End	4737
Name	OJ000214_06.0309.C24.o2.gs	Method	GENSCAN
Start	3378	End	4737
GI	none	Score	.49
Exons	3378..3456, 3525..4257, 4332..4737		

Seq. No.	47782	Seq. ID	OJ000214_06.0309.C24
Gene No.	101694	Strand	-
Start	1238	End	2203
Name	OJ000214_06.0309.C24.o1.gs	Method	GENSCAN
Start	1238	End	2203
GI	none	Score	.94
Exons	1238..1735, 2198..2203		

Seq. No.	47783	Seq. ID	OJ000214_06.0309.C25
Gene No.	101695	Strand	+
Start	1	End	893
Name	OJ000214_06.0309.C25.o1.gp	Method	AAT/GAP
Start	1	End	893
GI	702903	Score	669
Exons	1..200, 643..893		

Seq. No.	47783	Seq. ID	OJ000214_06.0309.C25
Gene No.	101695	Strand	+
Start	1	End	893
Name	OJ000214_06.0309.C25.o1.gs	Method	GENSCAN
Start	63	End	735
GI	none	Score	.48
Exons	63..200, 643..735		

Seq. No.	47783	Seq. ID	OJ000214_06.0309.C25
Gene No.	101696	Strand	+
Start	2348	End	5681
Name	OJ000214_06.0309.C25.o1.np	Method	AAT/NAP
Start	2330	End	5681
GI	7488195	Score	776
Exons	2330..3069, 3396..3584, 4200..4287, 4363..4573, 4668..4905, 4995..5145, 5363..5681		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-) F21P8.70 - Arabidopsis thaliana gi|3021270|emb|CAA18465.1| (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|7269165|emb|CAB79273.1| (AL161558) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	47783	Seq. ID	OJ000214_06.0309.C25
Gene No.	101696	Strand	+
Start	2348	End	5681
Name	OJ000214_06.0309.C25.o2.gs	Method	GENSCAN
Start	2348	End	5659
GI	none	Score	.67
Exons	2348..3060, 4077..4287, 4363..4618, 4668..4905, 4995..5145, 5363..5659		

Seq. No.	47783	Seq. ID	OJ000214_06.0309.C25
Gene No.	101697	Strand	-

Start	3637	End	4227
Name	OJ000214_06.0309.C25.o2.tc	Method	TBLASTX:Cress
Start	89	End	729
GI	none	Score	187
Exons	89..199, 90..200, 92..217, 93..200, 94..207, 637..729		

Seq. No.	47783	Seq. ID	OJ000214_06.0309.C25
Gene No.	101697	Strand	-
Start	3637	End	4227
Name	OJ000214_06.0309.C25.o3.tm	Method	TBLASTX:Maize
Start	89	End	702
GI	none	Score	189
Exons	89..199, 90..200, 91..204, 94..201, 95..202, 637..702		

Seq. No.	47783	Seq. ID	OJ000214_06.0309.C25
Gene No.	101697	Strand	-
Start	3637	End	4227
Name	OJ000214_06.0309.C25.o2.tm	Method	TBLASTX:Maize
Start	2447	End	2743
GI	none	Score	146
Exons	2447..2593, 2633..2743		

Seq. No.	47783	Seq. ID	OJ000214_06.0309.C25
Gene No.	101697	Strand	-
Start	3637	End	4227
Name	OJ000214_06.0309.C25.o2.gp	Method	AAT/GAP
Start	3637	End	4227
GI	none	Score	772
Exons	3637..3981, 4144..4227		

Seq. No.	47783	Seq. ID	OJ000214_06.0309.C25
Gene No.	101698	Strand	
Start	4161	End	5572
Name	OJ000214_06.0309.C25.o1.tc	Method	TBLASTX:Cress
Start	4161	End	5572
GI	none	Score	96
Exons	4161..4301, 4198..4287, 4360..4572, 4362..4571, 4661..4903, 4666..4902, 4720..4905, 4998..5105, 4999..5124, 5372..5572, 5437..5532		

Seq. No.	47783	Seq. ID	OJ000214_06.0309.C25
Gene No.	101698	Strand	
Start	4161	End	5572
Name	OJ000214_06.0309.C25.o1.ts	Method	TBLASTX:Soybean
Start	4173	End	5569
GI	none	Score	77
Exons	4173..4301, 4201..4287, 4360..4572, 4362..4565, 4420..4572, 4661..4903, 4666..4902, 4995..5099, 4995..5093, 4996..5145, 4999..5136, 5312..5569		

Seq. No.	47783	Seq. ID	OJ000214_06.0309.C25
Gene No.	101698	Strand	
Start	4161	End	5572
Name	OJ000214_06.0309.C25.o1.tm	Method	TBLASTX:Maize
Start	4189	End	5539
GI	none	Score	113
Exons	4189..4287, 4218..4280, 4250..4288, 4360..4572, 4362..4556,		

4375..4572, 4687..4902, 4688..4903, 4995..5105, 4996..5139, 5159..5197, 5312..5539, 5437..5538

Seq. No.	47783	Seq. ID	OJ000214_06.0309.C25
Gene No.	101698	Strand	
Start	4161	End	5572
Name	OJ000214_06.0309.C25.o2.tw	Method	TBLASTX:Wheat
Start	4335	End	4729
GI	none	Score	241
Exons	4335..4580, 4360..4599, 4661..4729		

Seq. No.	47783	Seq. ID	OJ000214_06.0309.C25
Gene No.	101698	Strand	
Start	4161	End	5572
Name	OJ000214_06.0309.C25.o1.tw	Method	TBLASTX:Wheat
Start	4730	End	5145
GI	none	Score	223
Exons	4730..4906, 4732..4905, 4995..5090, 4996..5145		

Seq. No.	47784	Seq. ID	OJ000214_06.0309.C26
Gene No.	101699	Strand	-
Start	301	End	827
Name	OJ000214_06.0309.C26.o1.gs	Method	GENSCAN
Start	301	End	827
GI	none	Score	.58
Exons	301..421, 454..827		

Seq. No.	47785	Seq. ID	OJ000214_01.0308.C6
Gene No.	101700	Strand	+
Start	438	End	539
Name	OJ000214_01.0308.C6.o1.gs	Method	GENSCAN
Start	438	End	539
GI	none	Score	.77
Exons	438..539		

Seq. No.	47786	Seq. ID	OJ000214_01.0308.C7
Gene No.	101701	Strand	+
Start	11557	End	11661
Name	OJ000214_01.0308.C7.o3.np	Method	AAT/NAP
Start	11557	End	11661
GI	7523502	Score	126
Exons	11557..11661		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47786	Seq. ID	OJ000214_01.0308.C7
Gene No.	101702	Strand	-
Start	1	End	3291
Name	OJ000214_01.0308.C7.o1.gp	Method	AAT/GAP
Start	1	End	3291
GI	144_1.R1084	Score	2298
Exons	1..391, 516..656, 2543..3291		
GI Descrip.	'3135543/gb|AAC16545.1| 1.0e-153 (AF062393) aquaporin [Oryza sativa]'		

Seq. No.	47786	Seq. ID	OJ000214_01.0308.C7
Gene No.	101702	Strand	-
Start	1	End	3291

Name	OJ000214_01.0308.C7.o1.gs	Method	GENSCAN
Start	278	End	3160
GI	none	Score	.76
Exons	278..391, 516..656, 1059..1113, 1512..1603, 2543..2788, 2915..3160		

Seq. No.	47786	Seq. ID	OJ000214_01.0308.C7
Gene No.	101702	Strand	-
Start	1	End	3291
Name	OJ000214_01.0308.C7.o1.np	Method	AAT/NAP
Start	281	End	3160
GI	7441249	Score	1381
Exons	281..391, 516..656, 2543..3160		
GI Descrip.	probable plasma membrane intrinsic protein - rice gi|3135543|gb|AAC16545.1| (AF062393) aquaporin [Oryza sativa]		

Seq. No.	47786	Seq. ID	OJ000214_01.0308.C7
Gene No.	101703	Strand	-
Start	10751	End	11920
Name	OJ000214_01.0308.C7.o1.tm	Method	TBLASTX:Maize
Start	110	End	3160
GI	none	Score	36
Exons	110..157, 245..283, 269..394, 278..391, 495..656, 511..657, 516..656, 517..660, 2540..3160, 2541..2663, 2706..2864, 2940..3056		

Seq. No.	47786	Seq. ID	OJ000214_01.0308.C7
Gene No.	101703	Strand	-
Start	10751	End	11920
Name	OJ000214_01.0308.C7.o1.tw	Method	TBLASTX:Wheat
Start	277	End	6951
GI	none	Score	56
Exons	277..315, 278..373, 281..382, 371..394, 372..392, 374..394, 525..656, 529..657, 2540..3142, 2541..2660, 2706..2864, 2952..3050, 6702..6752, 6862..6951		

Seq. No.	47786	Seq. ID	OJ000214_01.0308.C7
Gene No.	101703	Strand	-
Start	10751	End	11920
Name	OJ000214_01.0308.C7.o1.tc	Method	TBLASTX:Cress
Start	281	End	3115
GI	none	Score	101
Exons	281..391, 297..389, 511..657, 516..656, 2540..2899, 2541..2666, 2706..2864, 2954..3115, 2970..3050		

Seq. No.	47786	Seq. ID	OJ000214_01.0308.C7
Gene No.	101703	Strand	-
Start	10751	End	11920
Name	OJ000214_01.0308.C7.o1.ts	Method	TBLASTX:Soybean
Start	284	End	3121
GI	none	Score	123
Exons	284..391, 297..389, 511..657, 516..656, 2540..2899, 2541..2666, 2706..2864, 2943..3050, 2954..3121		

Seq. No.	47786	Seq. ID	OJ000214_01.0308.C7
Gene No.	101703	Strand	-
Start	10751	End	11920

Name	OJ000214_01.0308.C7.o2.np	Method	AAT/NAP
Start	10751	End	11920
GI	7228450	Score	118
Exons	10751..10866, 10953..11033, 11881..11920		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	47787	Seq. ID	OJ000214_01.0308.C8
Gene No.	101704	Strand	+
Start	624	End	767
Name	OJ000214_01.0308.C8.o1.gp	Method	AAT/GAP
Start	624	End	767
GI	LIB3431-027-P1-K1-D5	Score	239
Exons	624..767		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	47788	Seq. ID	OJ000214_01.0308.C13
Gene No.	101705	Strand	+
Start	4951	End	5617
Name	OJ000214_01.0308.C13.o2.gs	Method	GENSCAN
Start	4951	End	5617
GI	none	Score	.87
Exons	4951..5175, 5477..5617		

Seq. No.	47788	Seq. ID	OJ000214_01.0308.C13
Gene No.	101706	Strand	-
Start	2819	End	3976
Name	OJ000214_01.0308.C13.o1.gp	Method	AAT/GAP
Start	2625	End	2940
GI	2442189	Score	577
Exons	2625..2940		

Seq. No.	47788	Seq. ID	OJ000214_01.0308.C13
Gene No.	101706	Strand	-
Start	2819	End	3976
Name	OJ000214_01.0308.C13.o1.gs	Method	GENSCAN
Start	2819	End	3897
GI	none	Score	.8
Exons	2819..2929, 3044..3244, 3289..3433, 3635..3897		

Seq. No.	47788	Seq. ID	OJ000214_01.0308.C13
Gene No.	101706	Strand	-
Start	2819	End	3976
Name	OJ000214_01.0308.C13.o1.np	Method	AAT/NAP
Start	2819	End	3891
GI	4741931	Score	1143
Exons	2819..2929, 3044..3184, 3289..3891		
GI Descrip.	(AF130975) plasma membrane intrinsic protein [Zea mays]		

Seq. No.	47788	Seq. ID	OJ000214_01.0308.C13
Gene No.	101706	Strand	-
Start	2819	End	3976
Name	OJ000214_01.0308.C13.o2.gp	Method	AAT/GAP
Start	3479	End	3976
GI	19520_1.R1084	Score	832
Exons	3479..3976		
GI Descrip.	'5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza		

sativa]'

Seq. No.	47788	Seq. ID	OJ000214_01.0308.C13
Gene No.	101707	Strand	-
Start	5804	End	6776
Name	OJ000214_01.0308.C13.o3.gs	Method	GENSCAN
Start	5804	End	6776
GI	none	Score	.75
Exons	5804..5992, 6723..6776		

Seq. No.	47788	Seq. ID	OJ000214_01.0308.C13
Gene No.	101708	Strand	-
Start	8992	End	9222
Name	OJ000214_01.0308.C13.o1.tw	Method	TBLASTX:Wheat
Start	2785	End	3852
GI	none	Score	41
Exons	2785..2844, 2789..2881, 2826..2912, 2852..2911, 2858..2956, 2909..2932, 3044..3184, 3108..3185, 3280..3852, 3281..3370, 3449..3799		

Seq. No.	47788	Seq. ID	OJ000214_01.0308.C13
Gene No.	101708	Strand	-
Start	8992	End	9222
Name	OJ000214_01.0308.C13.o1.tm	Method	TBLASTX:Maize
Start	2805	End	3855
GI	none	Score	96
Exons	2805..2879, 2826..2942, 2852..2929, 3047..3184, 3108..3185, 3280..3855, 3281..3370, 3430..3558, 3449..3793, 3637..3807		

Seq. No.	47788	Seq. ID	OJ000214_01.0308.C13
Gene No.	101708	Strand	-
Start	8992	End	9222
Name	OJ000214_01.0308.C13.o1.tc	Method	TBLASTX:Cress
Start	2850	End	3852
GI	none	Score	91
Exons	2850..2930, 2852..2932, 2978..3184, 3044..3184, 3108..3185, 3280..3669, 3281..3370, 3464..3664, 3700..3852, 3710..3781		

Seq. No.	47788	Seq. ID	OJ000214_01.0308.C13
Gene No.	101708	Strand	-
Start	8992	End	9222
Name	OJ000214_01.0308.C13.o1.ts	Method	TBLASTX:Soybean
Start	2850	End	3855
GI	none	Score	88
Exons	2850..2945, 2852..2932, 3044..3184, 3108..3185, 3280..3669, 3281..3370, 3430..3570, 3452..3664, 3658..3855, 3662..3796, 3676..3807		

Seq. No.	47788	Seq. ID	OJ000214_01.0308.C13
Gene No.	101708	Strand	-
Start	8992	End	9222
Name	OJ000214_01.0308.C13.o4.gs	Method	GENSCAN
Start	8992	End	9222
GI	none	Score	.87
Exons	8992..9222		

Seq. No.	47789	Seq. ID	OJ000214_01.0308.C14

Gene No.	101709	Strand	+
Start	33	End	431
Name	OJ000214_01.0308.C14.o1.gs	Method	GENSCAN
Start	33	End	431
GI	none	Score	.55
Exons	33..155, 276..431		

Seq. No.	47789	Seq. ID	OJ000214_01.0308.C14
Gene No.	101710	Strand	+
Start	1817	End	2068
Name	OJ000214_01.0308.C14.o1.gp	Method	AAT/GAP
Start	1817	End	2068
GI	none	Score	488
Exons	1817..2068		

Seq. No.	47789	Seq. ID	OJ000214_01.0308.C14
Gene No.	101711	Strand	-
Start	1	End	169
Name	OJ000214_01.0308.C14.o1.np	Method	AAT/NAP
Start	1	End	169
GI	6069657	Score	113
Exons	1..169		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	47789	Seq. ID	OJ000214_01.0308.C14
Gene No.	101712	Strand	-
Start	1880	End	2479
Name	OJ000214_01.0308.C14.o2.gs	Method	GENSCAN
Start	1880	End	2478
GI	none	Score	.72
Exons	1880..1927, 2269..2319, 2401..2478		

Seq. No.	47789	Seq. ID	OJ000214_01.0308.C14
Gene No.	101712	Strand	-
Start	1880	End	2479
Name	OJ000214_01.0308.C14.o1.tm	Method	TBLASTX:Maize
Start	2206	End	2479
GI	none	Score	114
Exons	2206..2310, 2211..2321, 2212..2331, 2213..2320, 2399..2476, 2400..2477, 2401..2478, 2401..2478, 2402..2479		

Seq. No.	47789	Seq. ID	OJ000214_01.0308.C14
Gene No.	101712	Strand	-
Start	1880	End	2479
Name	OJ000214_01.0308.C14.o1.ts	Method	TBLASTX:Soybean
Start	2221	End	2479
GI	none	Score	84
Exons	2221..2331, 2225..2320, 2401..2478, 2402..2479		

Seq. No.	47789	Seq. ID	OJ000214_01.0308.C14
Gene No.	101712	Strand	-
Start	1880	End	2479
Name	OJ000214_01.0308.C14.o1.tc	Method	TBLASTX:Cress
Start	2228	End	2478
GI	none	Score	58
Exons	2228..2320, 2230..2331, 2401..2478, 2402..2473		

Seq. No.	47790	Seq. ID	OJ000214_01.0308.C17
Gene No.	101713	Strand	-
Start	665	End	1090
Name	OJ000214_01.0308.C17.o1.gs	Method	GENSCAN
Start	665	End	1090
GI	none	Score	1
Exons	665..1090		

Seq. No.	47791	Seq. ID	OJ000214_01.0308.C22
Gene No.	101714	Strand	-
Start	1	End	769
Name	OJ000214_01.0308.C22.o1.np	Method	AAT/NAP
Start	1	End	769
GI	6063554	Score	87
Exons	1..120, 400..769		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47791	Seq. ID	OJ000214_01.0308.C22
Gene No.	101714	Strand	-
Start	1	End	769
Name	OJ000214_01.0308.C22.o1.gs	Method	GENSCAN
Start	178	End	641
GI	none	Score	.44
Exons	178..258, 440..641		

Seq. No.	47792	Seq. ID	OJ000214_01.0308.C24
Gene No.	101715	Strand	-
Start	1	End	1330
Name	OJ000214_01.0308.C24.o1.np	Method	AAT/NAP
Start	1	End	1330
GI	5852180	Score	119
Exons	1..193, 1193..1330		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	47792	Seq. ID	OJ000214_01.0308.C24
Gene No.	101715	Strand	-
Start	1	End	1330
Name	OJ000214_01.0308.C24.o1.gs	Method	GENSCAN
Start	326	End	995
GI	none	Score	.52
Exons	326..384, 917..995		

Seq. No.	47793	Seq. ID	OJ000214_01.0308.C25
Gene No.	101716	Strand	+
Start	1022	End	1336
Name	OJ000214_01.0308.C25.o1.gs	Method	GENSCAN
Start	1022	End	1336
GI	none	Score	.68
Exons	1022..1336		

Seq. No.	47793	Seq. ID	OJ000214_01.0308.C25
Gene No.	101717	Strand	-
Start	802	End	1189
Name	OJ000214_01.0308.C25.o1.np	Method	AAT/NAP
Start	802	End	1189

GI	7523501	Score	237
Exons	802..940, 966..1189		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47794	Seq. ID	OJ000214_01.0308.C29
Gene No.	101718	Strand	+
Start	1234	End	4361
Name	OJ000214_01.0308.C29.o1.gs	Method	GENSCAN
Start	1234	End	4361
GI	none	Score	.75
Exons	1234..1273, 2093..2263, 3874..4361		

Seq. No.	47794	Seq. ID	OJ000214_01.0308.C29
Gene No.	101718	Strand	+
Start	1234	End	4361
Name	OJ000214_01.0308.C29.o1.np	Method	AAT/NAP
Start	1800	End	1894
GI	6721512	Score	43
Exons	1800..1894		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	47794	Seq. ID	OJ000214_01.0308.C29
Gene No.	101719	Strand	-
Start	5768	End	6280
Name	OJ000214_01.0308.C29.o2.gs	Method	GENSCAN
Start	5768	End	6280
GI	none	Score	.88
Exons	5768..5977, 6011..6280		

Seq. No.	47795	Seq. ID	OJ000214_01.0308.C30
Gene No.	101720	Strand	+
Start	895	End	6613
Name	OJ000214_01.0308.C30.o1.gs	Method	GENSCAN
Start	895	End	6613
GI	none	Score	.44
Exons	895..978, 1570..1745, 3657..3693, 4186..4290, 4492..4581, 4704..4816, 6482..6613		

Seq. No.	47795	Seq. ID	OJ000214_01.0308:C30
Gene No.	101721	Strand	-
Start	2171	End	2269
Name	OJ000214_01.0308.C30.o1.gp	Method	AAT/GAP
Start	2171	End	2269
GI	5867_1.R1084	Score	135
Exons	2171..2269		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	47796	Seq. ID	OJ000214_01.0308.C31
Gene No.	101722	Strand	-
Start	2879	End	3957
Name	OJ000214_01.0308.C31.o1.np	Method	AAT/NAP

Start	2879	End	3957
GI	4741931	Score	1187
Exons	2879..2989, 3122..3262, 3358..3957		
GI Descrip.	(AF130975) plasma membrane intrinsic protein [Zea mays]		

Seq. No.	47796	Seq. ID	OJ000214_01.0308.C31
Gene No.	101722	Strand	-
Start	2879	End	3957
Name	OJ000214_01.0308.C31.o2.gs	Method	GENSCAN
Start	2879	End	3957
GI	none	Score	.99
Exons	2879..2989, 3122..3262, 3358..3957		

Seq. No.	47796	Seq. ID	OJ000214_01.0308.C31
Gene No.	101722	Strand	-
Start	2879	End	3957
Name	OJ000214_01.0308.C31.o1.tm	Method	TBLASTX:Maize
Start	2910	End	3921
GI	none	Score	90
Exons	2910..3002, 2912..2989, 3122..3268, 3125..3268, 3355..3921, 3356..3451, 3502..3702, 3518..3871		

Seq. No.	47796	Seq. ID	OJ000214_01.0308.C31
Gene No.	101722	Strand	-
Start	2879	End	3957
Name	OJ000214_01.0308.C31.o1.tw	Method	TBLASTX:Wheat
Start	2910	End	3921
GI	none	Score	61
Exons	2910..2972, 2912..2971, 2969..2992, 2970..2990, 3122..3268, 3122..3268, 3355..3921, 3356..3448, 3502..3702, 3515..3868		

Seq. No.	47796	Seq. ID	OJ000214_01.0308.C31
Gene No.	101722	Strand	-
Start	2879	End	3957
Name	OJ000214_01.0308.C31.o1.ts	Method	TBLASTX:Soybean
Start	2912	End	3921
GI	none	Score	65
Exons	2912..2992, 2937..3002, 3098..3136, 3122..3244, 3122..3268, 3186..3263, 3355..3720, 3356..3451, 3502..3702, 3512..3721, 3769..3921, 3785..3865		

Seq. No.	47796	Seq. ID	OJ000214_01.0308.C31
Gene No.	101722	Strand	-
Start	2879	End	3957
Name	OJ000214_01.0308.C31.o1.tc	Method	TBLASTX:Cress
Start	2915	End	3921
GI	none	Score	78
Exons	2915..2989, 2919..2987, 3125..3268, 3186..3263, 3355..3720, 3356..3448, 3505..3702, 3542..3721, 3769..3921, 3785..3868		

Seq. No.	47797	Seq. ID	OJ000214_01.0308.C32
Gene No.	101723	Strand	-
Start	3997	End	7350
Name	OJ000214_01.0308.C32.o1.np	Method	AAT/NAP
Start	3997	End	5029
GI	4741931	Score	1142
Exons	3997..4107, 4207..4347, 4431..5029		

GI Descrip. (AF130975) plasma membrane intrinsic protein [Zea mays]

Seq. No.	47797	Seq. ID	OJ000214_01.0308.C32
Gene No.	101723	Strand	-
Start	3997	End	7350
Name	OJ000214_01.0308.C32.o2.gs	Method	GENSCAN
Start	3997	End	7350
GI	none	Score	.89
Exons	3997..4107, 4207..4425, 4431..4996, 7227..7350		

Seq. No.	47797	Seq. ID	OJ000214_01.0308.C32
Gene No.	101723	Strand	-
Start	3997	End	7350
Name	OJ000214_01.0308.C32.o1.tw	Method	TBLASTX:Wheat
Start	3997	End	4984
GI	none	Score	67
Exons	3997..4077, 4004..4090, 4030..4089, 4087..4110, 4088..4108, 4196..4348, 4202..4348, 4207..4353, 4207..4353, 4428..4805, 4429..4512, 4572..4712, 4591..4788, 4829..4984, 4830..4931, 4835..4939		

Seq. No.	47797	Seq. ID	OJ000214_01.0308.C32
Gene No.	101723	Strand	-
Start	3997	End	7350
Name	OJ000214_01.0308.C32.o1.tm	Method	TBLASTX:Maize
Start	4004	End	4984
GI	none	Score	94
Exons	4004..4105, 4030..4107, 4210..4353, 4211..4348, 4428..4805, 4429..4512, 4491..4700, 4591..4788, 4800..4874, 4829..4984, 4830..4925, 4835..4939		

Seq. No.	47797	Seq. ID	OJ000214_01.0308.C32
Gene No.	101723	Strand	-
Start	3997	End	7350
Name	OJ000214_01.0308.C32.o1.ts	Method	TBLASTX:Soybean
Start	4030	End	4984
GI	none	Score	87
Exons	4030..4107, 4031..4105, 4210..4353, 4211..4348, 4428..4805, 4429..4512, 4594..4788, 4829..4984, 4830..4928		

Seq. No.	47797	Seq. ID	OJ000214_01.0308.C32
Gene No.	101723	Strand	-
Start	3997	End	7350
Name	OJ000214_01.0308.C32.o1.tc	Method	TBLASTX:Cress
Start	4033	End	5038
GI	none	Score	90
Exons	4033..4107, 4037..4105, 4210..4353, 4211..4348, 4428..4805, 4429..4512, 4591..4788, 4829..5038, 4848..4928		

Seq. No.	47798	Seq. ID	OJ000214_01.0308.C33
Gene No.	101724	Strand	+
Start	1	End	489
Name	OJ000214_01.0308.C33.o1.np	Method	AAT/NAP
Start	1	End	489
GI	4680186	Score	238
Exons	1..26, 175..226, 289..489		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47798	Seq. ID	OJ000214_01.0308.C33
Gene No.	101725	Strand	+
Start	697	End	1041
Name	OJ000214_01.0308.C33.o1.gs	Method	GENSCAN
Start	697	End	1041
GI	none	Score	.47
Exons	697..744, 856..1041		

Seq. No.	47798	Seq. ID	OJ000214_01.0308.C33
Gene No.	101726	Strand	-
Start	332	End	422
Name	OJ000214_01.0308.C33.o1.gp	Method	AAT/GAP
Start	332	End	422
GI	uC-osflcyp033a04b1	Score	142
Exons	332..422		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47799	Seq. ID	OJ000214_01.0308.C34
Gene No.	101727	Strand	+
Start	6890	End	11533
Name	OJ000214_01.0308.C34.o2.gs	Method	GENSCAN
Start	6890	End	11533
GI	none	Score	.41
Exons	6890..6981, 7132..7391, 7429..7635, 7718..8003, 8493..9258, 9326..9519, 10805..11197, 11422..11533		

Seq. No.	47799	Seq. ID	OJ000214_01.0308.C34
Gene No.	101728	Strand	+
Start	11938	End	23206
Name	OJ000214_01.0308.C34.o3.np	Method	AAT/NAP
Start	11938	End	23206
GI	5852093	Score	75
Exons	11938..11987, 18441..18556, 23092..23206		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	47799	Seq. ID	OJ000214_01.0308.C34
Gene No.	101729	Strand	-
Start	3947	End	6365
Name	OJ000214_01.0308.C34.o1.gp	Method	AAT/GAP
Start	3947	End	6365
GI	57678_1.R1084	Score	1093
Exons	3947..4213, 4319..4393, 4507..4686, 6297..6365		
GI Descrip.	'2500380/sp|Q96499|RL44_GOSHI 2.0e-51 60S RIBOSOMAL PROTEIN L44 >gi_2119128_pir__JC4923 ribosomal protein RL44 - upland cotton >gi_1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] >gi_1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]'		

Seq. No.	47799	Seq. ID	OJ000214_01.0308.C34
Gene No.	101729	Strand	-
Start	3947	End	6365
Name	OJ000214_01.0308.C34.o1.np	Method	AAT/NAP
Start	4157	End	4689
GI	2500380	Score	483
Exons	4157..4213, 4319..4393, 4507..4689		

GI Descrip.	60S RIBOSOMAL PROTEIN L44 gi|2119128|pir||JC4923 ribosomal protein RL44 - upland cotton gi|1553129 (U64677) ribosomal protein L44 isoform a [Gossypium hirsutum] gi|1553131 (U64678) ribosomal protein L44 isoform b [Gossypium hirsutum]		
Seq. No.	47799	Seq. ID	OJ000214_01.0308.C34
Gene No.	101730	Strand	-
Start	13078	End	15217
Name	OJ000214_01.0308.C34.o3.gs	Method	GENSCAN
Start	13078	End	14369
GI	none	Score	.83
Exons	13078..13165, 13281..13351, 13654..13731, 13972..13979, 14021..14369		
Seq. No.	47799	Seq. ID	OJ000214_01.0308.C34
Gene No.	101730	Strand	-
Start	13078	End	15217
Name	OJ000214_01.0308.C34.o2.np	Method	AAT/NAP
Start	13084	End	15217
GI	5689236	Score	326
Exons	13084..13165, 13281..13351, 13654..13731, 13814..13865, 14021..14171, 15182..15217		
GI Descrip.	(AB024291) ZmRR2 [Zea mays] gi|6009897|dbj|BAA85113.1| (AB031012) response regulator 2 [Zea mays]		
Seq. No.	47799	Seq. ID	OJ000214_01.0308.C34
Gene No.	101731	Strand	-
Start	23917	End	24751
Name	OJ000214_01.0308.C34.o1.tw	Method	TBLASTX:Wheat
Start	4120	End	4687
GI	none	Score	102
Exons	4120..4215, 4143..4214, 4144..4215, 4145..4219, 4319..4396, 4335..4394, 4506..4685, 4507..4686, 4508..4687		
Seq. No.	47799	Seq. ID	OJ000214_01.0308.C34
Gene No.	101731	Strand	-
Start	23917	End	24751
Name	OJ000214_01.0308.C34.o1.tc	Method	TBLASTX:Cress
Start	4144	End	4687
GI	none	Score	92
Exons	4144..4215, 4152..4214, 4153..4215, 4154..4219, 4319..4396, 4323..4394, 4506..4685, 4507..4686, 4508..4687		
Seq. No.	47799	Seq. ID	OJ000214_01.0308.C34
Gene No.	101731	Strand	-
Start	23917	End	24751
Name	OJ000214_01.0308.C34.o1.ts	Method	TBLASTX:Soybean
Start	4144	End	4687
GI	none	Score	102
Exons	4144..4215, 4149..4214, 4154..4219, 4156..4215, 4319..4396, 4323..4394, 4507..4686, 4508..4687		
Seq. No.	47799	Seq. ID	OJ000214_01.0308.C34
Gene No.	101731	Strand	-
Start	23917	End	24751
Name	OJ000214_01.0308.C34.o1.tm	Method	TBLASTX:Maize
Start	4152	End	4687

GI	none	Score	94
Exons	4152..4214, 4154..4219, 4319..4396, 4323..4394, 4506..4685, 4507..4686, 4508..4687		

Seq. No.	47799	Seq. ID	OJ000214_01.0308.C34
Gene No.	101731	Strand	-
Start	23917	End	24751
Name	OJ000214_01.0308.C34.o2.tm	Method	TBLASTX:Maize
Start	13087	End	14096
GI	none	Score	99
Exons	13087..13167, 13088..13165, 13278..13376, 13280..13354, 13654..13725, 13654..13728, 13667..13732, 13825..13866, 14022..14096, 14026..14094		

Seq. No.	47799	Seq. ID	OJ000214_01.0308.C34
Gene No.	101731	Strand	-
Start	23917	End	24751
Name	OJ000214_01.0308.C34.o5.gs	Method	GENSCAN
Start	23917	End	24751
GI	none	Score	.81
Exons	23917..24079, 24693..24751		

Seq. No.	47800	Seq. ID	OJ000214_01.0308.C35
Gene No.	101732	Strand	+
Start	5342	End	7125
Name	OJ000214_01.0308.C35.o1.gp	Method	AAT/GAP
Start	5342	End	7125
GI	1881_1.R1084	Score	1139
Exons	5342..5417, 5792..5890, 6012..6064, 6538..6611, 6694..7125		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	47800	Seq. ID	OJ000214_01.0308.C35
Gene No.	101732	Strand	+
Start	5342	End	7125
Name	OJ000214_01.0308.C35.o1.np	Method	AAT/NAP
Start	5363	End	6736
GI	7486826	Score	365
Exons	5363..5417, 5792..5890, 6012..6064, 6538..6611, 6694..6736		
GI Descrip.	hypothetical protein T10I14.140 - Arabidopsis thaliana gi|2832681|emb|CAA16781.1| (AL021712) putative protein [Arabidopsis thaliana] gi|7269077|emb|CAB79186.1| (AL161557) putative protein [Arabidopsis thaliana]		

Seq. No.	47800	Seq. ID	OJ000214_01.0308.C35
Gene No.	101733	Strand	+
Start	7901	End	8322
Name	OJ000214_01.0308.C35.o2.gs	Method	GENSCAN
Start	7901	End	8322
GI	none	Score	.63
Exons	7901..8141, 8249..8322		

Seq. No.	47800	Seq. ID	OJ000214_01.0308.C35
Gene No.	101734	Strand	-

Start	420	End	3921
Name	OJ000214_01.0308.C35.o1.gs	Method	GENSCAN
Start	420	End	3921
GI	none	Score	.46
Exons	420..589, 2309..2378, 2479..2534, 2794..2951, 3016..3170, 3596..3708, 3915..3921		

Seq. No.	47800	Seq. ID	OJ000214_01.0308.C35
Gene No.	101735	Strand	
Start	5350	End	6745
Name	OJ000214_01.0308.C35.o1.tm	Method	TBLASTX:Maize
Start	5350	End	6745
GI	none	Score	88
Exons	5350..5421, 5369..5416, 5791..5895, 5793..5888, 6004..6063, 6011..6064, 6526..6612, 6540..6611, 6660..6740, 6692..6745, 6693..6743		

Seq. No.	47800	Seq. ID	OJ000214_01.0308.C35
Gene No.	101735	Strand	
Start	5350	End	6745
Name	OJ000214_01.0308.C35.o1.tw	Method	TBLASTX:Wheat
Start	5358	End	6744
GI	none	Score	82
Exons	5358..5414, 5363..5416, 5365..5421, 5791..5895, 5791..5889, 6004..6063, 6011..6064, 6014..6067, 6019..6069, 6526..6612, 6533..6613, 6537..6611, 6538..6612, 6714..6743, 6717..6743, 6718..6744		

Seq. No.	47800	Seq. ID	OJ000214_01.0308.C35
Gene No.	101735	Strand	
Start	5350	End	6745
Name	OJ000214_01.0308.C35.o1.tc	Method	TBLASTX:Cress
Start	5372	End	6612
GI	none	Score	81
Exons	5372..5416, 5777..5890, 5791..5895, 5793..5885, 6004..6063, 6011..6064, 6526..6612, 6537..6608, 6538..6609		

Seq. No.	47801	Seq. ID	OJ000214_01.0308.C37
Gene No.	101736	Strand	+
Start	629	End	686
Name	OJ000214_01.0308.C37.o1.gs	Method	GENSCAN
Start	629	End	686
GI	none	Score	.98
Exons	629..686		

Seq. No.	47802	Seq. ID	OJ000214_03.0307.C7
Gene No.	101737	Strand	-
Start	133	End	940
Name	OJ000214_03.0307.C7.o1.gs	Method	GENSCAN
Start	133	End	940
GI	none	Score	.59
Exons	133..227, 271..349, 688..940		

Seq. No.	47802	Seq. ID	OJ000214_03.0307.C7
Gene No.	101737	Strand	-
Start	133	End	940
Name	OJ000214_03.0307.C7.o1.np	Method	AAT/NAP

Start	232	End	940
GI	6815052	Score	376
Exons	232..349, 631..713, 795..940		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	47803	Seq. ID	OJ000214_03.0307.C9
Gene No.	101738	Strand	-
Start	1	End	273
Name	OJ000214_03.0307.C9.o1.gp	Method	AAT/GAP
Start	1	End	273
GI	none	Score	455
Exons	1..273		

Seq. No.	47804	Seq. ID	OJ000214_03.0307.C10
Gene No.	101739	Strand	+
Start	654	End	1029
Name	OJ000214_03.0307.C10.o2.gp	Method	AAT/GAP
Start	654	End	1029
GI	uC-osf1M202048c12b1	Score	529
Exons	654..1029		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47804	Seq. ID	OJ000214_03.0307.C10
Gene No.	101740	Strand	+
Start	1250	End	6538
Name	OJ000214_03.0307.C10.o1.np	Method	AAT/NAP
Start	1250	End	6538
GI	5852180	Score	409
Exons	1250..1322, 3334..3453, 3505..3906, 5579..5670, 6514..6538		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	47804	Seq. ID	OJ000214_03.0307.C10
Gene No.	101741	Strand	+
Start	7637	End	9091
Name	OJ000214_03.0307.C10.o2.gs	Method	GENSCAN
Start	7637	End	9091
GI	none	Score	.7
Exons	7637..7797, 7833..7905, 9023..9091		

Seq. No.	47804	Seq. ID	OJ000214_03.0307.C10
Gene No.	101742	Strand	+
Start	9774	End	12498
Name	OJ000214_03.0307.C10.o4.gp	Method	AAT/GAP
Start	9706	End	10049
GI	18145_1.R1084	Score	462
Exons	9706..10049		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	47804	Seq. ID	OJ000214_03.0307.C10
Gene No.	101742	Strand	+
Start	9774	End	12498
Name	OJ000214_03.0307.C10.o3.gs	Method	GENSCAN
Start	9774	End	10508
GI	none	Score	.99

Exons	9774..10508		
Seq. No.	47804	Seq. ID	OJ000214_03.0307.C10
Gene No.	101742	Strand	+
Start	9774	End	12498
Name	OJ000214_03.0307.C10.o3.np	Method	AAT/NAP
Start	10074	End	12498
GI	6498436	Score	236
Exons	10074..10109, 11859..12177, 12418..12498		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	47804	Seq. ID	OJ000214_03.0307.C10
Gene No.	101743	Strand	-
Start	1	End	198
Name	OJ000214_03.0307.C10.o1.gp	Method	AAT/GAP
Start	1	End	198
GI	61605_3.R1084	Score	339
Exons	1..198		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	47804	Seq. ID	OJ000214_03.0307.C10
Gene No.	101744	Strand	-
Start	1311	End	12498
Name	OJ000214_03.0307.C10.o1.gs	Method	GENSCAN
Start	1311	End	6693
GI	none	Score	.8
Exons	1311..2120, 3427..3568, 3661..3897, 6572..6693		
Seq. No.	47804	Seq. ID	OJ000214_03.0307.C10
Gene No.	101744	Strand	-
Start	1311	End	12498
Name	OJ000214_03.0307.C10.o2.np	Method	AAT/NAP
Start	1674	End	12498
GI	477072	Score	134
Exons	1674..1871, 3666..3947, 10010..10181, 12449..12498		
GI Descrip.	mucin 7 precursor, salivary - human		
Seq. No.	47804	Seq. ID	OJ000214_03.0307.C10
Gene No.	101744	Strand	-
Start	1311	End	12498
Name	OJ000214_03.0307.C10.o3.gp	Method	AAT/GAP
Start	2524	End	2614
GI	uC-osflcyp033a04b1	Score	142
Exons	2524..2614		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	47804	Seq. ID	OJ000214_03.0307.C10
Gene No.	101744	Strand	-
Start	1311	End	12498
Name	OJ000214_03.0307.C10.o1.tw	Method	TBLASTX:Wheat
Start	9944	End	10417
GI	none	Score	457
Exons	9944..10291, 9951..10292, 10023..10316, 10167..10352, 10172..10315, 10199..10339, 10203..10340, 10211..10417, 10212..10391, 10223..10354, 10248..10385		

Seq. No.	47804	Seq. ID	OJ000214_03.0307.C10
Gene No.	101744	Strand	-
Start	1311	End	12498
Name	OJ000214_03.0307.C10.o1.tm	Method	TBLASTX:Maize
Start	9993	End	10409
GI	none	Score	84
Exons	9993..10148, 9999..10121, 10092..10154, 10152..10241, 10155..10337, 10179..10409, 10190..10384, 10238..10393		

Seq. No.	47804	Seq. ID	OJ000214_03.0307.C10
Gene No.	101744	Strand	-
Start	1311	End	12498
Name	OJ000214_03.0307.C10.o5.gp	Method	AAT/GAP
Start	10258	End	10647
GI	2310935	Score	743
Exons	10258..10647		

Seq. No.	47805	Seq. ID	OJ000214_03.0307.C11
Gene No.	101745	Strand	-
Start	515	End	663
Name	OJ000214_03.0307.C11.o1.gs	Method	GENSCAN
Start	515	End	663
GI	none	Score	.94
Exons	515..663		

Seq. No.	47806	Seq. ID	OJ000214_03.0307.C14
Gene No.	101746	Strand	+
Start	4351	End	5381
Name	OJ000214_03.0307.C14.o2.gs	Method	GENSCAN
Start	4351	End	5381
GI	none	Score	.86
Exons	4351..4461, 5219..5381		

Seq. No.	47806	Seq. ID	OJ000214_03.0307.C14
Gene No.	101747	Strand	-
Start	1	End	3773
Name	OJ000214_03.0307.C14.o1.np	Method	AAT/NAP
Start	1	End	960
GI	2443320	Score	1078
Exons	1..960		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	47806	Seq. ID	OJ000214_03.0307.C14
Gene No.	101747	Strand	-
Start	1	End	3773
Name	OJ000214_03.0307.C14.o1.gs	Method	GENSCAN
Start	169	End	3773
GI	none	Score	.61
Exons	169..960, 1959..2134, 3626..3773		

Seq. No.	47807	Seq. ID	OJ000214_03.0307.C16
Gene No.	101748	Strand	+
Start	101	End	390
Name	OJ000214_03.0307.C16.o1.gs	Method	GENSCAN
Start	101	End	390
GI	none	Score	.56

Exons	101..165, 219..390		
Seq. No.	47807	Seq. ID	OJ000214_03.0307.C16
Gene No.	101749	Strand	-
Start	1	End	688
Name	OJ000214_03.0307.C16.o1.np	Method	AAT/NAP
Start	1	End	688
GI	7340881	Score	259
Exons	1..386, 479..688		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		
Seq. No.	47808	Seq. ID	OJ000214_03.0307.C18
Gene No.	101750	Strand	+
Start	1	End	1988
Name	OJ000214_03.0307.C18.o1.np	Method	AAT/NAP
Start	1	End	1988
GI	4680186	Score	315
Exons	1..262, 889..951, 1787..1988		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	47808	Seq. ID	OJ000214_03.0307.C18
Gene No.	101751	Strand	+
Start	2874	End	3306
Name	OJ000214_03.0307.C18.o2.np	Method	AAT/NAP
Start	2874	End	3306
GI	4680185	Score	439
Exons	2874..3306		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	47808	Seq. ID	OJ000214_03.0307.C18
Gene No.	101752	Strand	-
Start	1063	End	10286
Name	OJ000214_03.0307.C18.o1.gs	Method	GENSCAN
Start	1063	End	10286
GI	none	Score	.54
Exons	1063..1105, 2773..2910, 3002..3185, 5057..5205, 5243..5308, 5400..5594, 5857..5992, 7821..8018, 8729..9461, 9528..9736, 9776..9856, 10112..10286		
Seq. No.	47808	Seq. ID	OJ000214_03.0307.C18
Gene No.	101752	Strand	-
Start	1063	End	10286
Name	OJ000214_03.0307.C18.o1.gp	Method	AAT/GAP
Start	3299	End	3606
GI	61605_3.R1084	Score	422
Exons	3299..3606		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	47808	Seq. ID	OJ000214_03.0307.C18
Gene No.	101752	Strand	-
Start	1063	End	10286
Name	OJ000214_03.0307.C18.o3.np	Method	AAT/NAP
Start	3926	End	5979
GI	6063554	Score	611
Exons	3926..4101, 5032..5289, 5693..5979		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464)		

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	47808	Seq. ID	OJ000214_03.0307.C18
Gene No.	101752	Strand	-
Start	1063	End	10286
Name	OJ000214_03.0307.C18.o4.np	Method	AAT/NAP
Start	8922	End	9638
GI	7488857	Score	299
Exons	8922..9638		
GI Descrip.	hypothetical protein - fava bean (fragment) gi|2522230|dbj|BAA22788.1| (AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	47809	Seq. ID	OJ000214_03.0307.C19
Gene No.	101753	Strand	+
Start	858	End	1424
Name	OJ000214_03.0307.C19.o1.gp	Method	AAT/GAP
Start	858	End	1424
GI	4879016	Score	828
Exons	858..1424		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	47809	Seq. ID	OJ000214_03.0307.C19
Gene No.	101754	Strand	-
Start	1	End	474
Name	OJ000214_03.0307.C19.o1.np	Method	AAT/NAP
Start	1	End	474
GI	4417306	Score	115
Exons	1..474		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	47809	Seq. ID	OJ000214_03.0307.C19
Gene No.	101755	Strand	-
Start	2295	End	2611
Name	OJ000214_03.0307.C19.o2.gs	Method	GENSCAN
Start	2295	End	2611
GI	none	Score	.98
Exons	2295..2353, 2507..2611		

Seq. No.	47810	Seq. ID	OJ000214_03.0307.C20
Gene No.	101756	Strand	-
Start	2448	End	3152
Name	OJ000214_03.0307.C20.o1.gs	Method	GENSCAN
Start	2448	End	3152
GI	none	Score	1
Exons	2448..3152		

Seq. No.	47810	Seq. ID	OJ000214_03.0307.C20
Gene No.	101757	Strand	-
Start	4623	End	6284
Name	OJ000214_03.0307.C20.o1.tm	Method	TBLASTX:Maize
Start	2499	End	2930
GI	none	Score	201

Exons	2499..2720, 2527..2733, 2553..2687, 2554..2688, 2631..2735, 2641..2835, 2778..2930		
Seq. No.	47810	Seq. ID	OJ000214_03.0307.C20
Gene No.	101757	Strand	-
Start	4623	End	6284
Name	OJ000214_03.0307.C20.o2.gs	Method	GENSCAN
Start	4623	End	6284
GI	none	Score	.52
Exons	4623..4647, 5751..5828, 6220..6284		
Seq. No.	47811	Seq. ID	OJ000214_03.0307.C25
Gene No.	101758	Strand	+
Start	1	End	8592
Name	OJ000214_03.0307.C25.o1.np	Method	AAT/NAP
Start	1	End	8592
GI	7106512	Score	311
Exons	1..37, 7470..7965, 8553..8592		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	47811	Seq. ID	OJ000214_03.0307.C25
Gene No.	101759	Strand	-
Start	2200	End	3078
Name	OJ000214_03.0307.C25.o1.gs	Method	GENSCAN
Start	2200	End	3078
GI	none	Score	1
Exons	2200..3078		
Seq. No.	47812	Seq. ID	OJ000214_03.0307.C26
Gene No.	101760	Strand	+
Start	1	End	1760
Name	OJ000214_03.0307.C26.o1.np	Method	AAT/NAP
Start	1	End	379
GI	7106512	Score	305
Exons	1..379		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	47812	Seq. ID	OJ000214_03.0307.C26
Gene No.	101760	Strand	+
Start	1	End	1760
Name	OJ000214_03.0307.C26.o2.np	Method	AAT/NAP
Start	1	End	1760
GI	7248395	Score	162
Exons	1..36, 171..310, 1688..1760		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		
Seq. No.	47812	Seq. ID	OJ000214_03.0307.C26
Gene No.	101760	Strand	+
Start	1	End	1760
Name	OJ000214_03.0307.C26.o1.gs	Method	GENSCAN
Start	51	End	1464
GI	none	Score	.61
Exons	51..331, 700..839, 1256..1464		
Seq. No.	47813	Seq. ID	OJ000214_03.0307.C27

Gene No.	101761	Strand	+
Start	572	End	1583
Name	OJ000214_03.0307.C27:o1.gs	Method	GENSCAN
Start	572	End	1583
GI	none	Score	.42
Exons	572..763, 885..1149, 1155..1182, 1558..1583		

Seq. No.	47814	Seq. ID	OJ000214_03.0307.C28
Gene No.	101762	Strand	-
Start	585	End	720
Name	OJ000214_03.0307.C28.o1.gs	Method	GENSCAN
Start	585	End	720
GI	none	Score	.88
Exons	585..720		

Seq. No.	47815	Seq. ID	OJ000214_03.0307.C32
Gene No.	101763	Strand	-
Start	87	End	1332
Name	OJ000214_03.0307.C32.o1.gs	Method	GENSCAN
Start	87	End	904
GI	none	Score	.53
Exons	87..254, 502..626, 785..904		

Seq. No.	47815	Seq. ID	OJ000214_03.0307.C32
Gene No.	101763	Strand	-
Start	87	End	1332
Name	OJ000214_03.0307.C32.o1.np	Method	AAT/NAP
Start	349	End	1332
GI	5922620	Score	90
Exons	349..603, 647..684, 1130..1332		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47816	Seq. ID	OJ000214_03.0307.C33
Gene No.	101764	Strand	+
Start	545	End	623
Name	OJ000214_03.0307.C33.o1.gs	Method	GENSCAN
Start	545	End	623
GI	none	Score	.64
Exons	545..623		

Seq. No.	47816	Seq. ID	OJ000214_03.0307.C33
Gene No.	101765	Strand	-
Start	356	End	1055
Name	OJ000214_03.0307.C33.o1.np	Method	AAT/NAP
Start	356	End	1055
GI	6063554	Score	107
Exons	356..570, 983..1055		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101766	Strand	+

Start	88	End	1875
Name	OJ000214_03.0307.C34.o1.gs	Method	GENSCAN
Start	88	End	1875
GI	none	Score	.76
Exons	88..133, 896..1073, 1109..1392, 1760..1875		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101767	Strand	+
Start	7950	End	8030
Name	OJ000214_03.0307.C34.o2.gp	Method	AAT/GAP
Start	7950	End	8030
GI	LIB3432-013-P1-K1-E3	Score	127
Exons	7950..8030		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101768	Strand	+
Start	8762	End	9189
Name	OJ000214_03.0307.C34.o3.gp	Method	AAT/GAP
Start	8762	End	9189
GI	2896_1.R1084	Score	142
Exons	8762..8858, 9163..9189		
GI Descrip.	'131271/sp|P12157|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101769	Strand	-
Start	823	End	1719
Name	OJ000214_03.0307.C34.o1.np	Method	AAT/NAP
Start	823	End	1719
GI	6063554	Score	199
Exons	823..1076, 1173..1325, 1442..1719		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o3.np	Method	AAT/NAP
Start	4139	End	9189
GI	133446	Score	1669
Exons	4139..4175, 7105..8160, 9155..9189		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi|66986|pir||RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi|11973|emb|CAA33988| (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34

Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o3.gs	Method	GENSCAN
Start	4832	End	9074
GI	none	Score	.59
Exons	4832..4965, 5001..5207, 5339..5484, 5623..5940, 5959..6255, 6465..6496, 6594..6779, 6848..6972, 7054..7578, 9007..9074		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o2.np	Method	AAT/NAP
Start	5622	End	7415
GI	6721561	Score	953
Exons	5622..6384, 6465..6523, 6594..6777, 7343..7415		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o4.np	Method	AAT/NAP
Start	6555	End	8640
GI	128620	Score	715
Exons	6555..6634, 8175..8640		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 1, CHLOROPLAST gi|66139|pir||DERZN1 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - rice chloroplast gi|669087|emb|CAA33910| (X15901) NADH dehydrogenase ND1 [Oryza sativa] gi|226676|prf||1603356DD NADH dehydrogenase ND1 [Oryza sativa]		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o1.tm	Method	TBLASTX:Maize
Start	7112	End	7404
GI	none	Score	378
Exons	7112..7390, 7112..7387, 7327..7404		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o3.ts	Method	TBLASTX:Soybean
Start	7113	End	8159
GI	none	Score	180
Exons	7113..7337, 7118..7336, 7747..7875, 7748..7888, 7758..7892, 7781..7891, 7825..8028, 7859..8035, 7886..8029, 7887..8036, 7888..8043, 8041..8154, 8043..8159, 8044..8154		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o4.tc	Method	TBLASTX:Cress
Start	7116	End	7386

GI	none	Score	156
Exons	7116..7367, 7118..7369, 7119..7337, 7282..7386		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o5.np	Method	AAT/NAP
Start	7287	End	9189
GI	131271	Score	271
Exons	7287..7347, 8644..8859, 9166..9189		
GI Descrip.	PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) gi|72705|pir||QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast gi|12013|emb|CAA33973| (X15901) PSII 47kDa protein [Oryza sativa] gi|226634|prf||1603356BH photosystem II 47kD protein [Oryza sativa]		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o2.tm	Method	TBLASTX:Maize
Start	7405	End	7770
GI	none	Score	70
Exons	7405..7482, 7405..7482, 7406..7441, 7410..7433, 7410..7469, 7412..7519, 7413..7454, 7413..7454, 7414..7581, 7414..7578, 7429..7515, 7438..7587, 7438..7587, 7439..7516, 7441..7596, 7441..7575, 7468..7650, 7468..7533, 7486..7668, 7523..7567, 7531..7641, 7588..7653, 7594..7641, 7594..7650, 7603..7689, 7613..7660, 7622..7660, 7622..7696, 7625..7669, 7625..7666, 7631..7699, 7631..7681, 7631..7699, 7654..7758, 7656..7700, 7656..7700, 7699..7770, 7699..7725, 7701..7727, 7702..7740, 7704..7757, 7705..7758		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o2.tc	Method	TBLASTX:Cress
Start	7757	End	8152
GI	none	Score	173
Exons	7757..7972, 7759..8013, 7766..7948, 7800..8039, 8035..8151, 8054..8152, 8075..8152		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o1.tc	Method	TBLASTX:Cress
Start	8168	End	8664
GI	none	Score	430
Exons	8168..8551, 8176..8499, 8183..8530, 8555..8662, 8555..8662, 8557..8664, 8566..8664		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o1.ts	Method	TBLASTX:Soybean
Start	8168	End	8702
GI	none	Score	381
Exons	8168..8551, 8176..8499, 8204..8548, 8547..8702, 8557..8664		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o3.tc	Method	TBLASTX:Cress
Start	8666	End	8862
GI	none	Score	90
Exons	8666..8767, 8667..8729, 8671..8730, 8714..8854, 8720..8809, 8724..8855, 8724..8858, 8725..8862, 8725..8862		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o3.tm	Method	TBLASTX:Maize
Start	8710	End	8862
GI	none	Score	38
Exons	8710..8730, 8714..8854, 8720..8806, 8724..8855, 8724..8858, 8725..8862		

Seq. No.	47817	Seq. ID	OJ000214_03.0307.C34
Gene No.	101770	Strand	-
Start	4139	End	9189
Name	OJ000214_03.0307.C34.o2.ts	Method	TBLASTX:Soybean
Start	8718	End	8862
GI	none	Score	172
Exons	8718..8855, 8718..8858, 8719..8862, 8719..8862		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101771	Strand	-
Start	2798	End	3179
Name	OJ000214_03.0307.C37.o1.gp	Method	AAT/GAP
Start	2798	End	3179
GI	uC-osflcyp033a04b1	Score	663
Exons	2798..3179		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o1.np	Method	AAT/NAP
Start	5220	End	9734
GI	4680179	Score	5331
Exons	5220..8621, 8655..9734		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o6.tw	Method	TBLASTX:Wheat
Start	5286	End	5598
GI	none	Score	108
Exons	5286..5594, 5316..5597, 5329..5598		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421

Name	OJ000214_03.0307.C37.o1.tm	Method	TBLASTX:Maize
Start	5445	End	6044
GI	none	Score	119
Exons	5445..5885, 5460..5723, 5461..5883, 5802..5885, 5883..6044, 5890..6036, 5999..6040		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o1.tw	Method	TBLASTX:Wheat
Start	5598	End	6224
GI	none	Score	99
Exons	5598..6224, 5601..5852, 5710..6168		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o4.tm	Method	TBLASTX:Maize
Start	6093	End	6384
GI	none	Score	211
Exons	6093..6383, 6097..6384		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o2.ts	Method	TBLASTX:Soybean
Start	6183	End	6443
GI	none	Score	150
Exons	6183..6443, 6184..6438		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o1.tc	Method	TBLASTX:Cress
Start	6207	End	6524
GI	none	Score	81
Exons	6207..6350, 6208..6348, 6351..6524		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o2.tw	Method	TBLASTX:Wheat
Start	6231	End	6798
GI	none	Score	234
Exons	6231..6767, 6235..6489, 6237..6695, 6544..6798		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o2.tm	Method	TBLASTX:Maize
Start	6789	End	7152
GI	none	Score	170
Exons	6789..7151, 6798..7151, 6802..7152		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421

Name	OJ000214_03.0307.C37.o3.tw	Method	TBLASTX:Wheat
Start	6801	End	7223
GI	none	Score	352
Exons	6801..7223, 6802..7191		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o3.ts	Method	TBLASTX:Soybean
Start	6972	End	7217
GI	none	Score	74
Exons	6972..7217, 7072..7200		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o3.tm	Method	TBLASTX:Maize
Start	7188	End	7688
GI	none	Score	72
Exons	7188..7502, 7509..7688, 7561..7680		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o5.tw	Method	TBLASTX:Wheat
Start	7224	End	7526
GI	none	Score	171
Exons	7224..7526, 7230..7523, 7240..7524, 7454..7525		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o1.ts	Method	TBLASTX:Soybean
Start	7239	End	7634
GI	none	Score	149
Exons	7239..7511, 7239..7598, 7240..7530, 7561..7596, 7565..7597, 7602..7634, 7603..7632		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o4.tw	Method	TBLASTX:Wheat
Start	7575	End	8061
GI	none	Score	283
Exons	7575..7952, 7618..8061, 7672..7983, 8007..8057		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o2.np	Method	AAT/NAP
Start	7683	End	11421
GI	4539658	Score	133
Exons	7683..7729, 10091..10334, 11340..11421		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37

Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o5.tm	Method	TBLASTX:Maize
Start	7701	End	8087
GI	none	Score	77
Exons	7701..8087, 7759..7917, 7984..8082		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o8.tw	Method	TBLASTX:Wheat
Start	8227	End	8594
GI	none	Score	68
Exons	8227..8340, 8232..8339, 8385..8594, 8386..8538		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o7.tm	Method	TBLASTX:Maize
Start	8277	End	8600
GI	none	Score	187
Exons	8277..8600		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o7.tw	Method	TBLASTX:Wheat
Start	8910	End	9261
GI	none	Score	109
Exons	8910..9260, 9067..9261		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o6.tm	Method	TBLASTX:Maize
Start	8955	End	9260
GI	none	Score	87
Exons	8955..9260, 9130..9246		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o9.tw	Method	TBLASTX:Wheat
Start	9295	End	9494
GI	none	Score	113
Exons	9295..9471, 9297..9494		

Seq. No.	47818	Seq. ID	OJ000214_03.0307.C37
Gene No.	101772	Strand	-
Start	5220	End	11421
Name	OJ000214_03.0307.C37.o3.np	Method	AAT/NAP
Start	10983	End	11416
GI	4680185	Score	469
Exons	10983..11416		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47819	Seq. ID	OJ000214_03.0307.C38

Gene No.	101773	Strand	-
Start	467	End	3986
Name	OJ000214_03.0307.C38.o1.np	Method	AAT/NAP
Start	467	End	3986
GI	5042463	Score	214
Exons	467..490, 2237..2310, 2356..2516, 3168..3345, 3963..3986		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	47819	Seq. ID	OJ000214_03.0307.C38
Gene No.	101773	Strand	-
Start	467	End	3986
Name	OJ000214_03.0307.C38.o2.np	Method	AAT/NAP
Start	1877	End	3986
GI	7340881	Score	114
Exons	1877..1894, 3566..3600, 3706..3874, 3966..3986		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	47820	Seq. ID	OJ000214_03.0307.C39
Gene No.	101774	Strand	+
Start	3729	End	6452
Name	OJ000214_03.0307.C39.o3.np	Method	AAT/NAP
Start	3729	End	6452
GI	140298	Score	780
Exons	3729..3761, 5031..5560, 6318..6452		
GI Descrip.	CYTOCHROME C BIOGENESIS PROTEIN CCSA gi|82524|pir||JQ0288 hypothetical 36.7K protein (trnL-trnN intergenic region) - rice chloroplast gi|12049|emb|CAA33952| (X15901) ORF321 [Oryza sativa] gi|226669|prf||1603356CW ORF 321 [Oryza sativa]		

Seq. No.	47820	Seq. ID	OJ000214_03.0307.C39
Gene No.	101775	Strand	-
Start	210	End	5712
Name	OJ000214_03.0307.C39.o1.gs	Method	GENSCAN
Start	210	End	5712
GI	none	Score	.87
Exons	210..1112, 3400..3499, 3577..3693, 3736..3826, 3919..4042, 4452..4505, 5611..5712		

Seq. No.	47820	Seq. ID	OJ000214_03.0307.C39
Gene No.	101775	Strand	-
Start	210	End	5712
Name	OJ000214_03.0307.C39.o1.np	Method	AAT/NAP
Start	213	End	1046
GI	5042448	Score	1193
Exons	213..1046		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	47820	Seq. ID	OJ000214_03.0307.C39
Gene No.	101775	Strand	-
Start	210	End	5712
Name	OJ000214_03.0307.C39.o2.np	Method	AAT/NAP
Start	1607	End	4272
GI	7340881	Score	536
Exons	1607..1640, 1746..1921, 2414..2465, 3319..3499, 3736..3826, 3919..4042, 4187..4272		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	47820	Seq. ID	OJ000214_03.0307.C39
Gene No.	101776	Strand	-
Start	8045	End	8182
Name	OJ000214_03.0307.C39.o1.tc	Method	TBLASTX:Cress
Start	5067	End	5532
GI	none	Score	113
Exons	5067..5228, 5067..5228, 5068..5256, 5327..5416, 5341..5418, 5457..5531, 5458..5532		

Seq. No.	47820	Seq. ID	OJ000214_03.0307.C39
Gene No.	101776	Strand	-
Start	8045	End	8182
Name	OJ000214_03.0307.C39.o1.ts	Method	TBLASTX:Soybean
Start	5067	End	5532
GI	none	Score	130
Exons	5067..5201, 5067..5225, 5068..5286, 5302..5529, 5310..5531, 5314..5532		

Seq. No.	47820	Seq. ID	OJ000214_03.0307.C39
Gene No.	101776	Strand	-
Start	8045	End	8182
Name	OJ000214_03.0307.C39.o2.gs	Method	GENSCAN
Start	8045	End	8182
GI	none	Score	.87
Exons	8045..8182		

Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o1.gs	Method	GENSCAN
Start	365	End	4026
GI	none	Score	.62
Exons	365..1826, 1835..2444, 2538..3473, 3711..4026		

Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o1.np	Method	AAT/NAP
Start	368	End	4149
GI	4680179	Score	6348
Exons	368..4149		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o6.tm	Method	TBLASTX:Maize
Start	404	End	589
GI	none	Score	191
Exons	404..589		

Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o6.tw	Method	TBLASTX:Wheat
Start	413	End	746

GI	none	Score	55
Exons	413..745, 434..574, 537..746		

Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o1.tm	Method	TBLASTX:Maize
Start	593	End	1192
GI	none	Score	256
Exons	593..1033, 606..1031, 1031..1192, 1038..1184		

Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o1.tw	Method	TBLASTX:Wheat
Start	746	End	1372
GI	none	Score	356
Exons	746..1372, 747..1370		

Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o3.tm	Method	TBLASTX:Maize
Start	1241	End	1532
GI	none	Score	225
Exons	1241..1531, 1245..1532		

Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o2.ts	Method	TBLASTX:Soybean
Start	1331	End	1591
GI	none	Score	159
Exons	1331..1591, 1332..1586		

Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o1.tc	Method	TBLASTX:Cress
Start	1355	End	1672
GI	none	Score	83
Exons	1355..1498, 1356..1496, 1499..1672		

Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o3.tw	Method	TBLASTX:Wheat
Start	1379	End	1804
GI	none	Score	239
Exons	1379..1804, 1380..1634, 1412..1804		

Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o2.tw	Method	TBLASTX:Wheat
Start	1838	End	2350
GI	none	Score	53

Exons	1838..1963, 1840..2349, 1924..2307, 1925..2350, 2006..2317		
Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o2.tm	Method	TBLASTX:Maize
Start	1912	End	2277
GI	none	Score	150
Exons	1912..2223, 1919..2116, 1924..2277, 2009..2275		
Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o3.ts	Method	TBLASTX:Soybean
Start	2098	End	2343
GI	none	Score	201
Exons	2098..2343		
Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o4.tm	Method	TBLASTX:Maize
Start	2314	End	2814
GI	none	Score	95
Exons	2314..2634, 2353..2622, 2635..2814		
Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o5.tw	Method	TBLASTX:Wheat
Start	2351	End	2652
GI	none	Score	225
Exons	2351..2650, 2356..2652, 2359..2652		
Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o1.ts	Method	TBLASTX:Soybean
Start	2365	End	2760
GI	none	Score	40
Exons	2365..2724, 2366..2416, 2459..2728, 2716..2760, 2728..2760		
Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o4.tw	Method	TBLASTX:Wheat
Start	2701	End	3183
GI	none	Score	181
Exons	2701..3183, 2710..3072, 2744..3079		
Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o5.tm	Method	TBLASTX:Maize
Start	2882	End	3173
GI	none	Score	165
Exons	2882..3073, 2884..3171, 2913..3173		

Seq. No.	47821	Seq. ID	OJ000214_03.0307.C40
Gene No.	101777	Strand	-
Start	365	End	4149
Name	OJ000214_03.0307.C40.o7.tw	Method	TBLASTX:Wheat
Start	3340	End	3762
GI	none	Score	105
Exons	3340..3531, 3347..3502, 3413..3553, 3553..3762, 3614..3712		

Seq. No.	47822	Seq. ID	OJ000114_03.0320.C1
Gene No.	101778	Strand	-
Start	1	End	1305
Name	OJ000114_03.0320.C1.o1.np	Method	AAT/NAP
Start	1	End	1305
GI	5852175	Score	64
Exons	1..131, 1284..1305		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o1.gs	Method	GENSCAN
Start	423	End	2477
GI	none	Score	1
Exons	423..2477		

Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o1.np	Method	AAT/NAP
Start	426	End	2626
GI	4680179	Score	3276
Exons	426..2626		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o4.tw	Method	TBLASTX:Wheat
Start	471	End	804
GI	none	Score	77
Exons	471..803, 522..653, 523..804		

Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o1.tm	Method	TBLASTX:Maize
Start	666	End	1251
GI	none	Score	109
Exons	666..1091, 667..864, 687..932, 919..1092, 1087..1236, 1089..1250, 1096..1251		

Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o1.tw	Method	TBLASTX:Wheat
Start	804	End	1430

GI	none	Score	44
Exons	804..1430, 805..864, 922..1374		

Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o3.tm	Method	TBLASTX:Maize
Start	1299	End	1590
GI	none	Score	91
Exons	1299..1589, 1302..1457, 1303..1590		

Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o1.ts	Method	TBLASTX:Soybean
Start	1389	End	1649
GI	none	Score	114
Exons	1389..1637, 1389..1649, 1390..1638		

Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o1.tc	Method	TBLASTX:Cress
Start	1413	End	1739
GI	none	Score	87
Exons	1413..1556, 1414..1554, 1557..1739		

Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o2.tw	Method	TBLASTX:Wheat
Start	1437	End	1973
GI	none	Score	301
Exons	1437..1973, 1441..1794		

Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o2.tm	Method	TBLASTX:Maize
Start	2004	End	2357
GI	none	Score	191
Exons	2004..2357, 2011..2352		

Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o3.tw	Method	TBLASTX:Wheat
Start	2004	End	2429
GI	none	Score	211
Exons	2004..2354, 2004..2429, 2011..2427		

Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o3.ts	Method	TBLASTX:Soybean
Start	2175	End	2423
GI	none	Score	207

Exons	2175..2423		
Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o4.tm	Method	TBLASTX:Maize
Start	2363	End	2619
GI	none	Score	152
Exons	2363..2593, 2364..2618, 2365..2619		
Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o5.tw	Method	TBLASTX:Wheat
Start	2430	End	2619
GI	none	Score	109
Exons	2430..2597, 2430..2618, 2431..2619		
Seq. No.	47823	Seq. ID	OJ000114_03.0320.C2
Gene No.	101779	Strand	-
Start	423	End	2626
Name	OJ000114_03.0320.C2.o2.ts	Method	TBLASTX:Soybean
Start	2445	End	2625
GI	none	Score	140
Exons	2445..2624, 2455..2625		
Seq. No.	47824	Seq. ID	OJ000114_03.0320.C3
Gene No.	101780	Strand	-
Start	1	End	315
Name	OJ000114_03.0320.C3.o1.np	Method	AAT/NAP
Start	1	End	315
GI	6983860	Score	510
Exons	1..315		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	47824	Seq. ID	OJ000114_03.0320.C3
Gene No.	101781	Strand	-
Start	580	End	7949
Name	OJ000114_03.0320.C3.o1.gs	Method	GENSCAN
Start	580	End	7902
GI	none	Score	.58
Exons	580..1380, 2633..2733, 3099..3249, 3255..3567, 3866..3909, 4248..4628, 4733..4897, 4985..6369, 6417..6570, 6580..7902		
Seq. No.	47824	Seq. ID	OJ000114_03.0320.C3
Gene No.	101781	Strand	-
Start	580	End	7949
Name	OJ000114_03.0320.C3.o2.np	Method	AAT/NAP
Start	583	End	1380
GI	4512231	Score	1342
Exons	583..1380		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	47824	Seq. ID	OJ000114_03.0320.C3
Gene No.	101781	Strand	-
Start	580	End	7949

Name	OJ000114_03.0320.C3.o3.np	Method	AAT/NAP
Start	4232	End	7949
GI	7228457	Score	1604
Exons	4232..5047, 5105..6661, 7911..7949		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47824	Seq. ID	OJ000114_03.0320.C3
Gene No.	101781	Strand	-
Start	580	End	7949
Name	OJ000114_03.0320.C3.o1.tw	Method	TBLASTX:Wheat
Start	4233	End	4589
GI	none	Score	131
Exons	4233..4577, 4233..4589		

Seq. No.	47824	Seq. ID	OJ000114_03.0320.C3
Gene No.	101781	Strand	-
Start	580	End	7949
Name	OJ000114_03.0320.C3.o2.tm	Method	TBLASTX:Maize
Start	4233	End	4454
GI	none	Score	198
Exons	4233..4454		

Seq. No.	47824	Seq. ID	OJ000114_03.0320.C3
Gene No.	101781	Strand	-
Start	580	End	7949
Name	OJ000114_03.0320.C3.o1.tm	Method	TBLASTX:Maize
Start	4458	End	4813
GI	none	Score	110
Exons	4458..4658, 4459..4650, 4619..4813, 4632..4751, 4655..4759		

Seq. No.	47824	Seq. ID	OJ000114_03.0320.C3
Gene No.	101781	Strand	-
Start	580	End	7949
Name	OJ000114_03.0320.C3.o4.tw	Method	TBLASTX:Wheat
Start	4590	End	4822
GI	none	Score	64
Exons	4590..4658, 4591..4647, 4628..4822, 4629..4820, 4652..4822		

Seq. No.	47824	Seq. ID	OJ000114_03.0320.C3
Gene No.	101781	Strand	-
Start	580	End	7949
Name	OJ000114_03.0320.C3.o2.tw	Method	TBLASTX:Wheat
Start	4823	End	5590
GI	none	Score	134
Exons	4823..5077, 4827..4988, 5135..5371, 5145..5369, 5408..5590, 5409..5582		

Seq. No.	47824	Seq. ID	OJ000114_03.0320.C3
Gene No.	101781	Strand	-
Start	580	End	7949
Name	OJ000114_03.0320.C3.o3.tw	Method	TBLASTX:Wheat
Start	6173	End	6570
GI	none	Score	124
Exons	6173..6397, 6394..6570		

Seq. No.	47825	Seq. ID	OJ000114_03.0320.C4
Gene No.	101782	Strand	-
Start	1	End	4308
Name	OJ000114_03.0320.C4.o1.np	Method	AAT/NAP
Start	1	End	2632
GI	1091678	Score	404
Exons	1..451, 1888..2086, 2203..2385, 2470..2632		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	47825	Seq. ID	OJ000114_03.0320.C4
Gene No.	101782	Strand	-
Start	1	End	4308
Name	OJ000114_03.0320.C4.o2.tm	Method	TBLASTX:Maize
Start	7	End	277
GI	none	Score	170
Exons	7..198, 8..277, 38..277		

Seq. No.	47825	Seq. ID	OJ000114_03.0320.C4
Gene No.	101782	Strand	-
Start	1	End	4308
Name	OJ000114_03.0320.C4.o1.gs	Method	GENSCAN
Start	134	End	4308
GI	none	Score	.62
Exons	134..415, 1703..1861, 1957..2086, 2203..2385, 2524..3024, 3418..3798, 3888..3908, 3914..4308		

Seq. No.	47825	Seq. ID	OJ000114_03.0320.C4
Gene No.	101782	Strand	-
Start	1	End	4308
Name	OJ000114_03.0320.C4.o1.tw	Method	TBLASTX:Wheat
Start	143	End	463
GI	none	Score	200
Exons	143..463, 165..455		

Seq. No.	47825	Seq. ID	OJ000114_03.0320.C4
Gene No.	101782	Strand	-
Start	1	End	4308
Name	OJ000114_03.0320.C4.o3.tm	Method	TBLASTX:Maize
Start	425	End	2094
GI	none	Score	182
Exons	425..457, 1888..2094, 1889..2089		

Seq. No.	47825	Seq. ID	OJ000114_03.0320.C4
Gene No.	101782	Strand	-
Start	1	End	4308
Name	OJ000114_03.0320.C4.o1.tm	Method	TBLASTX:Maize
Start	2212	End	2882
GI	none	Score	84
Exons	2212..2274, 2213..2275, 2214..2276, 2217..2279, 2271..2387, 2272..2346, 2460..2696, 2467..2877, 2469..2882		

Seq. No.	47826	Seq. ID	OJ000114_03.0320.C5
Gene No.	101783	Strand	+
Start	16846	End	17150
Name	OJ000114_03.0320.C5.o1.gp	Method	AAT/GAP
Start	16846	End	17150
GI	3761745	Score	518

Exons	16846..17150		
GI Descrip.	4099436/gb|U87250|MVU87250 3.0e-67 Mustela vison GT dinucleotide repeat, chromosome 2,3,5 and 7 centromeric		
Seq. No.	47826	Seq. ID	OJ000114_03.0320.C5
Gene No.	101784	Strand	-
Start	1354	End	5958
Name	OJ000114_03.0320.C5.o1.gs	Method	GENSCAN
Start	1354	End	5958
GI	none	Score	.72
Exons	1354..1578, 1812..2195, 3561..3779, 4079..4253, 5858..5958		
Seq. No.	47826	Seq. ID	OJ000114_03.0320.C5
Gene No.	101785	Strand	-
Start	7241	End	7669
Name	OJ000114_03.0320.C5.o2.gs	Method	GENSCAN
Start	7241	End	7669
GI	none	Score	.94
Exons	7241..7403, 7539..7669		
Seq. No.	47826	Seq. ID	OJ000114_03.0320.C5
Gene No.	101786	Strand	-
Start	17090	End	17600
Name	OJ000114_03.0320.C5.o5.gs	Method	GENSCAN
Start	17090	End	17600
GI	none	Score	.99
Exons	17090..17316, 17432..17600		
Seq. No.	47826	Seq. ID	OJ000114_03.0320.C5
Gene No.	101787	Strand	-
Start	18697	End	20278
Name	OJ000114_03.0320.C5.o6.gs	Method	GENSCAN
Start	18697	End	20278
GI	none	Score	.67
Exons	18697..18752, 20194..20278		
Seq. No.	47827	Seq. ID	OJ000114_03.0320.C8
Gene No.	101788	Strand	-
Start	1826	End	3286
Name	OJ000114_03.0320.C8.o1.np	Method	AAT/NAP
Start	1049	End	3140
GI	2760832	Score	354
Exons	1049..1086, 2598..2742, 2844..3140		
GI Descrip.	(AC003105) unknown protein [Arabidopsis thaliana]		
Seq. No.	47827	Seq. ID	OJ000114_03.0320.C8
Gene No.	101788	Strand	-
Start	1826	End	3286
Name	OJ000114_03.0320.C8.o1.gs	Method	GENSCAN
Start	1826	End	3140
GI	none	Score	.82
Exons	1826..1920, 2610..2784, 2844..3140		
Seq. No.	47827	Seq. ID	OJ000114_03.0320.C8
Gene No.	101788	Strand	-
Start	1826	End	3286
Name	OJ000114_03.0320.C8.o1.tc	Method	TBLASTX:Cress

Start	2606	End	3141
GI	none	Score	75
Exons	2606..2662, 2608..2697, 2862..2927, 2863..2928, 3036..3140, 3057..3140, 3070..3141		

Seq. No.	47827	Seq. ID	OJ000114_03.0320.C8
Gene No.	101788	Strand	-
Start	1826	End	3286
Name	OJ000114_03.0320.C8.o1.tm	Method	TBLASTX:Maize
Start	2606	End	3144
GI	none	Score	114
Exons	2606..2743, 2608..2745, 2808..2927, 2842..2919, 2842..2928, 2997..3140, 3057..3140, 3070..3144		

Seq. No.	47827	Seq. ID	OJ000114_03.0320.C8
Gene No.	101788	Strand	-
Start	1826	End	3286
Name	OJ000114_03.0320.C8.o1.ts	Method	TBLASTX:Soybean
Start	2716	End	3141
GI	none	Score	39
Exons	2716..2745, 2717..2743, 2842..2901, 2844..2927, 2854..2913, 2997..3140, 3057..3140, 3070..3141		

Seq. No.	47827	Seq. ID	OJ000114_03.0320.C8
Gene No.	101788	Strand	-
Start	1826	End	3286
Name	OJ000114_03.0320.C8.o1.gp	Method	AAT/GAP
Start	2832	End	3286
GI	43448_1.R1084	Score	810
Exons	2832..3286		
GI Descrip.	'2760832/gb|AAB95300.1| 3.0e-12 (AC003105) similar to barley ids-4 gene product [Arabidopsis thaliana]'		

Seq. No.	47828	Seq. ID	OJ000114_03.0320.C9
Gene No.	101789	Strand	+
Start	2283	End	2937
Name	OJ000114_03.0320.C9.o1.np	Method	AAT/NAP
Start	2283	End	2937
GI	7441828	Score	136
Exons	2283..2937		
GI Descrip.	extensin-like cell wall protein - sea-island cotton gi|451544|gb|AAA79364.1| (U04267) proline-rich cell wall protein [Gossypium barbadense]		

Seq. No.	47828	Seq. ID	OJ000114_03.0320.C9
Gene No.	101790	Strand	-
Start	2416	End	2841
Name	OJ000114_03.0320.C9.o1.gs	Method	GENSCAN
Start	2416	End	2841
GI	none	Score	1
Exons	2416..2841		

Seq. No.	47829	Seq. ID	OJ000114_03.0320.C12
Gene No.	101791	Strand	+
Start	191	End	4097
Name	OJ000114_03.0320.C12.o1.gs	Method	GENSCAN
Start	191	End	4097

GI	none	Score	.5
Exons	191..223, 1177..1260, 2717..2796, 2843..2892, 2926..3095, 3957..4097		

Seq. No.	47829	Seq. ID	OJ000114_03.0320.C12
Gene No.	101792	Strand	-
Start	5216	End	5325
Name	OJ000114_03.0320.C12.o2.gs	Method	GENSCAN
Start	5216	End	5325
GI	none	Score	.95
Exons	5216..5325		

Seq. No.	47830	Seq. ID	OJ000114_03.0320.C13
Gene No.	101793	Strand	+
Start	289	End	591
Name	OJ000114_03.0320.C13.o1.gs	Method	GENSCAN
Start	289	End	591
GI	none	Score	.94
Exons	289..591		

Seq. No.	47830	Seq. ID	OJ000114_03.0320.C13
Gene No.	101794	Strand	+
Start	784	End	7084
Name	OJ000114_03.0320.C13.o2.gs	Method	GENSCAN
Start	784	End	7075
GI	none	Score	.64
Exons	784..948, 2089..2200, 2301..2437, 3068..3135, 3292..3775, 5240..5257, 6508..7075		

Seq. No.	47830	Seq. ID	OJ000114_03.0320.C13
Gene No.	101794	Strand	+
Start	784	End	7084
Name	OJ000114_03.0320.C13.o1.np	Method	AAT/NAP
Start	3344	End	7084
GI	4877649	Score	405
Exons	3344..3458, 3516..3775, 6508..6702, 6949..7084		
GI Descrip.	(AF114162) gibberellin MYB transcription factor [Lolium temulentum]		

Seq. No.	47830	Seq. ID	OJ000114_03.0320.C13
Gene No.	101794	Strand	+
Start	784	End	7084
Name	OJ000114_03.0320.C13.o1.tw	Method	TBLASTX:Wheat
Start	3518	End	6561
GI	none	Score	291
Exons	3518..3769, 3523..3768, 6510..6551, 6511..6561		

Seq. No.	47830	Seq. ID	OJ000114_03.0320.C13
Gene No.	101794	Strand	+
Start	784	End	7084
Name	OJ000114_03.0320.C13.o1.tc	Method	TBLASTX:Cress
Start	3523	End	6573
GI	none	Score	335
Exons	3523..3768, 3524..3772, 6511..6573		

Seq. No.	47830	Seq. ID	OJ000114_03.0320.C13
Gene No.	101794	Strand	+

Start	784	End	7084
Name	OJ000114_03.0320.C13.o1.ts	Method	TBLASTX:Soybean
Start	3523	End	3769
GI	none	Score	318
Exons	3523..3546, 3524..3769, 3583..3693		

Seq. No.	47830	Seq. ID	OJ000114_03.0320.C13
Gene No.	101794	Strand	+
Start	784	End	7084
Name	OJ000114_03.0320.C13.o1.tm	Method	TBLASTX:Maize
Start	3524	End	6564
GI	none	Score	300
Exons	3524..3769, 3529..3768, 6504..6551, 6511..6564		

Seq. No.	47830	Seq. ID	OJ000114_03.0320.C13
Gene No.	101794	Strand	+
Start	784	End	7084
Name	OJ000114_03.0320.C13.o2.np	Method	AAT/NAP
Start	4971	End	7084
GI	7438355	Score	91
Exons	4971..5008, 6508..6702, 6949..7084		
GI Descrip.	myb-related protein - barley gi|1200239|emb|CAA61021.1| (X87690) GAMyb protein [Hordeum vulgare]		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101795	Strand	+
Start	80	End	399
Name	OJ000114_03.0320.C14.o1.gs	Method	GENSCAN
Start	80	End	399
GI	none	Score	.47
Exons	80..399		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101796	Strand	+
Start	373	End	542
Name	OJ000114_03.0320.C14.o1.gp	Method	AAT/GAP
Start	373	End	542
GI	2796906	Score	309
Exons	373..542		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101797	Strand	+
Start	9192	End	9575
Name	OJ000114_03.0320.C14.o2.gp	Method	AAT/GAP
Start	9192	End	9575
GI	uC-osflcyp033a04b1	Score	655
Exons	9192..9575		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101798	Strand	+
Start	11974	End	15053
Name	OJ000114_03.0320.C14.o5.gs	Method	GENSCAN
Start	11974	End	15053
GI	none	Score	.82
Exons	11974..12043, 12153..12293, 12486..12824, 12990..13114,		

13182..13373, 13444..13502, 13558..13743, 13788..14283, 14580..15053

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101798	Strand	+
Start	11974	End	15053
Name	OJ000114_03.0320.C14.o4.np	Method	AAT/NAP
Start	12194	End	13973
GI	6721558	Score	269
Exons	12194..12293, 12990..13124, 13750..13973		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101798	Strand	+
Start	11974	End	15053
Name	OJ000114_03.0320.C14.o5.np	Method	AAT/NAP
Start	13118	End	14325
GI	6721561	Score	1176
Exons	13118..13373, 13444..13502, 13568..14325		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101799	Strand	-
Start	2671	End	4520
Name	OJ000114_03.0320.C14.o2.gs	Method	GENSCAN
Start	2671	End	4520
GI	none	Score	.85
Exons	2671..3369, 4356..4520		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101800	Strand	-
Start	6819	End	13047
Name	OJ000114_03.0320.C14.o3.gs	Method	GENSCAN
Start	6819	End	8208
GI	none	Score	.6
Exons	6819..6928, 7815..8208		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101800	Strand	-
Start	6819	End	13047
Name	OJ000114_03.0320.C14.o1.np	Method	AAT/NAP
Start	7859	End	13047
GI	5852180	Score	541
Exons	7859..8274, 8327..8443, 9424..9494, 12988..13047		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101800	Strand	-
Start	6819	End	13047
Name	OJ000114_03.0320.C14.o4.gs	Method	GENSCAN
Start	9122	End	11239

GI	none	Score	.5
Exons	9122..9327, 9424..9477, 10990..11239		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101800	Strand	-
Start	6819	End	13047
Name	OJ000114_03.0320.C14.o3.np	Method	AAT/NAP
Start	11250	End	11783
GI	7523517	Score	252
Exons	11250..11344, 11489..11783		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101801	Strand	-
Start	15684	End	16771
Name	OJ000114_03.0320.C14.o2.tw	Method	TBLASTX:Wheat
Start	9288	End	16679
GI	none	Score	186
Exons	9288..9341, 16325..16678, 16335..16679		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101801	Strand	-
Start	15684	End	16771
Name	OJ000114_03.0320.C14.o3.tm	Method	TBLASTX:Maize
Start	10500	End	10852
GI	none	Score	100
Exons	10500..10538, 10654..10830, 10658..10813, 10658..10852, 10659..10850		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101801	Strand	-
Start	15684	End	16771
Name	OJ000114_03.0320.C14.o1.ts	Method	TBLASTX:Soybean
Start	10673	End	10886
GI	none	Score	150
Exons	10673..10876, 10674..10886		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101801	Strand	-
Start	15684	End	16771
Name	OJ000114_03.0320.C14.o2.tm	Method	TBLASTX:Maize
Start	10856	End	11290
GI	none	Score	88
Exons	10856..10981, 10856..10930, 10906..10980, 10991..11290, 11148..11276		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101801	Strand	-
Start	15684	End	16771
Name	OJ000114_03.0320.C14.o6.gs	Method	GENSCAN
Start	15684	End	16518
GI	none	Score	.83
Exons	15684..16249, 16354..16518		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101801	Strand	-
Start	15684	End	16771

Name	OJ000114_03.0320.C14.o6.np	Method	AAT/NAP
Start	15687	End	16771
GI	7228457	Score	1122
Exons	15687..16771		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101801	Strand	-
Start	15684	End	16771
Name	OJ000114_03.0320.C14.o1.tw	Method	TBLASTX:Wheat
Start	15696	End	16303
GI	none	Score	67
Exons	15696..15827, 15697..15822, 15852..16262, 16048..16155, 16226..16303		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101801	Strand	-
Start	15684	End	16771
Name	OJ000114_03.0320.C14.o4.tm	Method	TBLASTX:Maize
Start	15732	End	15998
GI	none	Score	51
Exons	15732..15815, 15766..15825, 15810..15929, 15816..15998		

Seq. No.	47831	Seq. ID	OJ000114_03.0320.C14
Gene No.	101801	Strand	-
Start	15684	End	16771
Name	OJ000114_03.0320.C14.o1.tm	Method	TBLASTX:Maize
Start	16505	End	16771
GI	none	Score	144
Exons	16505..16771, 16506..16769		

Seq. No.	47832	Seq. ID	OJ000114_03.0320.C15
Gene No.	101802	Strand	-
Start	1	End	1398
Name	OJ000114_03.0320.C15.o1.np	Method	AAT/NAP
Start	1	End	1398
GI	5902445	Score	955
Exons	1..1098, 1307..1398		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	47832	Seq. ID	OJ000114_03.0320.C15
Gene No.	101802	Strand	-
Start	1	End	1398
Name	OJ000114_03.0320.C15.o1.gs	Method	GENSCAN
Start	30	End	1068
GI	none	Score	.48
Exons	30..118, 214..1068		

Seq. No.	47832	Seq. ID	OJ000114_03.0320.C15
Gene No.	101802	Strand	-
Start	1	End	1398
Name	OJ000114_03.0320.C15.o1.tw	Method	TBLASTX:Wheat
Start	258	End	665
GI	none	Score	41
Exons	258..323, 258..431, 259..333, 439..612, 441..626, 441..665		

Seq. No.	47832	Seq. ID	OJ000114_03.0320.C15
Gene No.	101802	Strand	-
Start	1	End	1398
Name	OJ000114_03.0320.C15.o1.tm	Method	TBLASTX:Maize
Start	698	End	1089
GI	none	Score	128
Exons	698..736, 741..815, 834..1088, 856..1089		

Seq. No.	47832	Seq. ID	OJ000114_03.0320.C15
Gene No.	101802	Strand	-
Start	1	End	1398
Name	OJ000114_03.0320.C15.o2.tw	Method	TBLASTX:Wheat
Start	735	End	1095
GI	none	Score	163
Exons	735..1094, 745..1095		

Seq. No.	47832	Seq. ID	OJ000114_03.0320.C15
Gene No.	101802	Strand	-
Start	1	End	1398
Name	OJ000114_03.0320.C15.o1.ts	Method	TBLASTX:Soybean
Start	756	End	1106
GI	none	Score	211
Exons	756..1106		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101803	Strand	+
Start	3269	End	4756
Name	OJ000114_03.0320.C16.o2.np	Method	AAT/NAP
Start	3269	End	4756
GI	5852093	Score	62
Exons	3269..3294, 4649..4756		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101804	Strand	+
Start	7516	End	7737
Name	OJ000114_03.0320.C16.o2.gp	Method	AAT/GAP
Start	7516	End	7737
GI	uC-osf1M202031c11a1	Score	281
Exons	7516..7737		
GI Descrip.	'1902900/dbj|AB001919|AB001919 4.0e-43 Oryza sativa DNA for phospholipase D, complete cds'		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101805	Strand	-
Start	1	End	3473
Name	OJ000114_03.0320.C16.o1.gp	Method	AAT/GAP
Start	1	End	115
GI	LIB3477-010-P1-K1-E11	Score	198
Exons	1..115		
GI Descrip.	'2352427 2.0e-31 (AF004161) peroxisomal Ca-dependent solute carrier [Oryctolagus cuniculus]'		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101805	Strand	-
Start	1	End	3473

Name	OJ000114_03.0320.C16.o1.np	Method	AAT/NAP
Start	1	End	758
GI	6841066	Score	433
Exons	1..758		
GI Descrip.	(AF123303) calcium-binding transporter [Homo sapiens]		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101805	Strand	-
Start	1	End	3473
Name	OJ000114_03.0320.C16.o1.gs	Method	GENSCAN
Start	136	End	3473
GI	none	Score	.71
Exons	136..507, 544..744, 2996..3473		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o3.tm	Method	TBLASTX:Maize
Start	1	End	151
GI	none	Score	182
Exons	1..150, 2..151, 2..97, 3..149		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o6.ts	Method	TBLASTX:Soybean
Start	2	End	262
GI	none	Score	159
Exons	2..262, 2..262		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o2.tm	Method	TBLASTX:Maize
Start	152	End	3087
GI	none	Score	649
Exons	152..745, 152..760, 534..749, 2992..3066, 2992..3087		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o3.ts	Method	TBLASTX:Soybean
Start	272	End	760
GI	none	Score	124
Exons	272..466, 281..760, 530..736, 534..749		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o5.ts	Method	TBLASTX:Soybean
Start	2985	End	3230
GI	none	Score	112
Exons	2985..3230, 2989..3063		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864

Name	OJ000114_03.0320.C16.o2.gs	Method	GENSCAN
Start	5037	End	10710
GI	none	Score	.72
Exons	5037..5119, 5437..5500, 7860..8176, 8560..10471, 10552..10710		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o1.tw	Method	TBLASTX:Wheat
Start	7721	End	8643
GI	none	Score	118
Exons	7721..8131, 7746..8177, 7777..7869, 7781..8188, 8528..8638, 8537..8620, 8539..8643, 8562..8642		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o1.tm	Method	TBLASTX:Maize
Start	7734	End	10864
GI	none	Score	46
Exons	7734..7769, 7746..8051, 7780..7869, 7800..8045, 7933..8052, 8061..8177, 8062..8178, 8528..9220, 8561..9211, 8589..9218, 9263..9568, 9264..9506, 9533..9712, 9534..9716, 9720..10091, 9728..10111, 9839..10111, 10160..10474, 10199..10273, 10230..10418, 10433..10486, 10600..10710, 10601..10711, 10778..10864		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o1.tc	Method	TBLASTX:Cress
Start	7746	End	10456
GI	none	Score	90
Exons	7746..7892, 7746..8051, 7853..8038, 7972..8052, 8067..8177, 8070..8177, 8092..8178, 8528..9220, 8541..8723, 8778..9218, 9263..9457, 9264..9458, 9458..9712, 9492..9761, 9719..10096, 9720..10091, 10100..10456, 10230..10352		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o3.np	Method	AAT/NAP
Start	7746	End	10710
GI	3914365	Score	4211
Exons	7746..8176, 8560..10471, 10603..10710		
GI Descrip.	PHOSPHOLIPASE D 2 PRECURSOR (PLD 2) (CHOLINE PHOSPHATASE 2) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 2) gi|1902901|dbj|BAA19466| (AB001919) phospholipase D [Oryza sativa]		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o2.ts	Method	TBLASTX:Soybean
Start	7746	End	9220
GI	none	Score	163
Exons	7746..8051, 7755..8051, 7933..8052, 8061..8177, 8064..8177,		

8089..8178, 8528..9220, 8538..9215, 8648..9220

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o4.tw	Method	TBLASTX:Wheat
Start	8648	End	8822
GI	none	Score	101
Exons	8648..8818, 8649..8822		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o3.gp	Method	AAT/GAP
Start	8778	End	9104
GI	uC-osflM202071g12b1	Score	630
Exons	8778..9104		
GI Descrip.	'3914365/sp|P93844|PLD2_ORYSA 2.0e-54 PHOSPHOLIPASE D 2 PRECURSOR (PLD 2) (CHOLINE PHOSPHATASE 2) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 2) >gi_1902901_dbj_BAA19466_ (AB001919) phospholipase D [Oryza sativa]'		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o3.tw	Method	TBLASTX:Wheat
Start	8823	End	9055
GI	none	Score	267
Exons	8823..9050, 8823..9047, 8828..9055		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o4.ts	Method	TBLASTX:Soybean
Start	9263	End	9473
GI	none	Score	221
Exons	9263..9472, 9264..9473		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o1.ts	Method	TBLASTX:Soybean
Start	9473	End	10710
GI	none	Score	127
Exons	9473..9568, 9533..9712, 9534..9761, 9728..10096, 9729..10067, 10100..10486, 10230..10349, 10648..10710		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16
Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o2.tw	Method	TBLASTX:Wheat
Start	9740	End	10159
GI	none	Score	559
Exons	9740..10156, 9741..10157, 9848..10159		

Seq. No.	47833	Seq. ID	OJ000114_03.0320.C16

Gene No.	101806	Strand	-
Start	5037	End	10864
Name	OJ000114_03.0320.C16.o5.tw	Method	TBLASTX:Wheat
Start	10403	End	10717
GI	none	Score	46
Exons	10403..10435, 10412..10444, 10430..10480, 10442..10471, 10603..10716, 10604..10717		

Seq. No.	47834	Seq. ID	OJ000114_03.0320.C17
Gene No.	101807	Strand	+
Start	294	End	736
Name	OJ000114_03.0320.C17.o1.gp	Method	AAT/GAP
Start	294	End	736
GI	uC-osroM202010d01a1	Score	865
Exons	294..736		
GI Descrip.	'4867803/emb|CAB43062.1| 4.0e-19 (AJ133000) phospholipase D2 [Craterostigma plantagineum]'		

Seq. No.	47834	Seq. ID	OJ000114_03.0320.C17
Gene No.	101808	Strand	-
Start	498	End	3223
Name	OJ000114_03.0320.C17.o1.gs	Method	GENSCAN
Start	498	End	3223
GI	none	Score	1
Exons	498..943, 1033..3007, 3116..3223		

Seq. No.	47834	Seq. ID	OJ000114_03.0320.C17
Gene No.	101808	Strand	-
Start	498	End	3223
Name	OJ000114_03.0320.C17.o1.np	Method	AAT/NAP
Start	501	End	3223
GI	3914365	Score	2975
Exons	501..943, 1033..2989, 3110..3223		
GI Descrip.	PHOSPHOLIPASE D 2 PRECURSOR (PLD 2) (CHOLINE PHOSPHATASE 2) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 2) gi|1902901|dbj|BAA19466| (AB001919) phospholipase D [Oryza sativa]		

Seq. No.	47834	Seq. ID	OJ000114_03.0320.C17
Gene No.	101809	Strand	-
Start	3753	End	5641
Name	OJ000114_03.0320.C17.o1.tc	Method	TBLASTX:Cress
Start	540	End	2983
GI	none	Score	62
Exons	540..605, 541..606, 606..824, 607..825, 834..953, 837..944, 844..945, 1019..1420, 1019..1429, 1236..1430, 1430..1657, 1452..1658, 1689..1760, 1706..1951, 1746..1952, 1952..2020, 1986..2021, 2024..2119, 2129..2203, 2222..2587, 2226..2585, 2691..2942, 2720..2983		

Seq. No.	47834	Seq. ID	OJ000114_03.0320.C17
Gene No.	101809	Strand	-
Start	3753	End	5641
Name	OJ000114_03.0320.C17.o1.tw	Method	TBLASTX:Wheat
Start	541	End	1115
GI	none	Score	71
Exons	541..606, 543..605, 606..740, 606..953, 607..945, 800..946,		

1019..1087, 1019..1111, 1047..1115

Seq. No.	47834	Seq. ID	OJ000114_03.0320.C17
Gene No.	101809	Strand	-
Start	3753	End	5641
Name	OJ000114_03.0320.C17.o1.tm	Method	TBLASTX:Maize
Start	543	End	3244
GI	none	Score	61
Exons	543..605, 544..606, 603..734, 606..824, 607..825, 829..945, 837..953, 1019..1420, 1019..1429, 1227..1430, 1430..1657, 1431..1658, 1677..1760, 1685..1768, 1746..1844, 1757..2017, 1829..1855, 1890..1940, 2036..2113, 2037..2078, 2129..2203, 2222..2587, 2250..2588, 2700..2942, 2720..2995, 3113..3244		

Seq. No.	47834	Seq. ID	OJ000114_03.0320.C17
Gene No.	101809	Strand	-
Start	3753	End	5641
Name	OJ000114_03.0320.C17.o1.ts	Method	TBLASTX:Soybean
Start	543	End	1768
GI	none	Score	64
Exons	543..605, 556..606, 606..824, 607..825, 837..944, 837..953, 856..945, 1019..1420, 1019..1426, 1227..1424, 1442..1657, 1452..1658, 1685..1768		

Seq. No.	47834	Seq. ID	OJ000114_03.0320.C17
Gene No.	101809	Strand	-
Start	3753	End	5641
Name	OJ000114_03.0320.C17.o4.tw	Method	TBLASTX:Wheat
Start	1121	End	1292
GI	none	Score	95
Exons	1121..1285, 1122..1292		

Seq. No.	47834	Seq. ID	OJ000114_03.0320.C17
Gene No.	101809	Strand	-
Start	3753	End	5641
Name	OJ000114_03.0320.C17.o3.tw	Method	TBLASTX:Wheat
Start	1296	End	1531
GI	none	Score	157
Exons	1296..1430, 1301..1429, 1430..1531, 1431..1526		

Seq. No.	47834	Seq. ID	OJ000114_03.0320.C17
Gene No.	101809	Strand	-
Start	3753	End	5641
Name	OJ000114_03.0320.C17.o3.ts	Method	TBLASTX:Soybean
Start	1769	End	1967
GI	none	Score	98
Exons	1769..1966, 1773..1841, 1887..1967		

Seq. No.	47834	Seq. ID	OJ000114_03.0320.C17
Gene No.	101809	Strand	-
Start	3753	End	5641
Name	OJ000114_03.0320.C17.o2.ts	Method	TBLASTX:Soybean
Start	1967	End	3223
GI	none	Score	288
Exons	1967..2023, 2036..2119, 2129..2203, 2222..2587, 2259..2585, 2648..2995, 3164..3223		

Seq. No.	47834	Seq. ID	OJ000114_03.0320.C17
Gene No.	101809	Strand	-
Start	3753	End	5641
Name	OJ000114_03.0320.C17.o2.tw	Method	TBLASTX:Wheat
Start	2258	End	2683
GI	none	Score	416
Exons	2258..2587, 2259..2585, 2648..2683		

Seq. No.	47834	Seq. ID	OJ000114_03.0320.C17
Gene No.	101809	Strand	-
Start	3753	End	5641
Name	OJ000114_03.0320.C17.o2.gs	Method	GENSCAN
Start	3753	End	5641
GI	none	Score	.62
Exons	3753..3862, 3999..4128, 4159..4324, 5586..5641		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101810	Strand	+
Start	1360	End	1584
Name	OJ000114_03.0320.C18.o1.gs	Method	GENSCAN
Start	1360	End	1584
GI	none	Score	.87
Exons	1360..1584		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101811	Strand	+
Start	4864	End	9420
Name	OJ000114_03.0320.C18.o1.gp	Method	AAT/GAP
Start	4787	End	5382
GI	LIB3477-003-P1-K1-C7	Score	904
Exons	4787..4974, 5073..5382		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101811	Strand	+
Start	4864	End	9420
Name	OJ000114_03.0320.C18.o2.gs	Method	GENSCAN
Start	4864	End	9420
GI	none	Score	.96
Exons	4864..4974, 5073..6644, 6788..6911, 8975..9420		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101811	Strand	+
Start	4864	End	9420
Name	OJ000114_03.0320.C18.o1.np	Method	AAT/NAP
Start	4867	End	9405
GI	3914365	Score	2963
Exons	4867..4974, 5073..7013, 8975..9405		
GI Descrip.	PHOSPHOLIPASE D 2 PRECURSOR (PLD 2) (CHOLINE PHOSPHATASE 2) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 2) gi|1902901|dbj|BAA19466| (AB001919) phospholipase D [Oryza sativa]		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101812	Strand	-
Start	13265	End	13335

Name	OJ000114_03.0320.C18.o1.tw	Method	TBLASTX:Wheat
Start	1391	End	9384
GI	none	Score	55
Exons	1391..1477, 1400..1441, 1442..1462, 1470..1544, 1501..1536, 6935..7012, 6942..7064, 6953..7012, 8947..9153, 8963..9166, 8973..9173, 8981..9175, 9153..9374, 9154..9384		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101812	Strand	-
Start	13265	End	13335
Name	OJ000114_03.0320.C18.o1.tm	Method	TBLASTX:Maize
Start	4873	End	9384
GI	none	Score	113
Exons	4873..4977, 4887..4982, 5078..5332, 5079..5384, 5439..5846, 5492..5821, 5798..6025, 5847..6026, 5991..6359, 6113..6163, 6209..6346, 6365..6595, 6366..6614, 6615..6770, 6627..6743, 6650..6757, 6743..7012, 6767..7012, 6768..7013, 8947..9081, 8973..9080, 8977..9081, 9094..9153, 9099..9176, 9153..9377, 9154..9384		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101812	Strand	-
Start	13265	End	13335
Name	OJ000114_03.0320.C18.o1.ts	Method	TBLASTX:Soybean
Start	5079	End	6086
GI	none	Score	375
Exons	5079..5438, 5492..5848, 5493..5846, 5798..5956, 5847..6026, 5991..6086, 6029..6067		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101812	Strand	-
Start	13265	End	13335
Name	OJ000114_03.0320.C18.o1.tc	Method	TBLASTX:Cress
Start	5084	End	9384
GI	none	Score	344
Exons	5084..5314, 5085..5438, 5492..5848, 5493..5846, 5798..5956, 5847..6101, 5996..6067, 6101..6307, 6102..6359, 6365..6595, 6366..6614, 6615..6656, 6656..6700, 6707..6757, 6743..7012, 6769..7020, 8947..9084, 8973..9074, 8974..9081, 9094..9153, 9099..9158, 9153..9374, 9166..9384		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101812	Strand	-
Start	13265	End	13335
Name	OJ000114_03.0320.C18.o2.tw	Method	TBLASTX:Wheat
Start	5384	End	5810
GI	none	Score	74
Exons	5384..5431, 5385..5438, 5490..5537, 5492..5560, 5492..5809, 5493..5810		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101812	Strand	-
Start	13265	End	13335
Name	OJ000114_03.0320.C18.o3.ts	Method	TBLASTX:Soybean
Start	6086	End	6298
GI	none	Score	335
Exons	6086..6166, 6087..6296, 6212..6298		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101812	Strand	-
Start	13265	End	13335
Name	OJ000114_03.0320.C18.o2.ts	Method	TBLASTX:Soybean
Start	6365	End	9384
GI	none	Score	322
Exons	6365..6595, 6366..6617, 6615..6770, 6641..6757, 6667..7020, 6743..7012, 6965..7024, 8947..9081, 8963..9058, 8973..9062, 8974..9081, 9094..9153, 9094..9147, 9099..9158, 9153..9374, 9154..9384		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101812	Strand	-
Start	13265	End	13335
Name	OJ000114_03.0320.C18.o3.tw	Method	TBLASTX:Wheat
Start	6516	End	6751
GI	none	Score	147
Exons	6516..6614, 6521..6595, 6615..6746, 6653..6751		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101812	Strand	-
Start	13265	End	13335
Name	OJ000114_03.0320.C18.o4.tw	Method	TBLASTX:Wheat
Start	6767	End	6934
GI	none	Score	193
Exons	6767..6925, 6769..6924, 6776..6934, 6783..6926		

Seq. No.	47835	Seq. ID	OJ000114_03.0320.C18
Gene No.	101812	Strand	-
Start	13265	End	13335
Name	OJ000114_03.0320.C18.o2.gp	Method	AAT/GAP
Start	13265	End	13335
GI	2312838	Score	76
Exons	13265..13335		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	47836	Seq. ID	OJ000114_03.0320.C19
Gene No.	101813	Strand	+
Start	4203	End	5103
Name	OJ000114_03.0320.C19.o1.np	Method	AAT/NAP
Start	4203	End	5103
GI	5103834	Score	547
Exons	4203..4282, 4515..4665, 4696..4909, 4952..5103		
GI Descrip.	(AC007591) Similar to gb|AB008104 ethylene responsive element binding factor 2 from Arabidopsis thaliana and contains an PF|00847 AP2 domain. EST gb|AA728476 comes from this gene.		

Seq. No.	47836	Seq. ID	OJ000114_03.0320.C19
Gene No.	101814	Strand	+
Start	5116	End	5524
Name	OJ000114_03.0320.C19.o1.gp	Method	AAT/GAP
Start	5116	End	5524
GI	3769248	Score	756
Exons	5116..5524		

Seq. No.	47836	Seq. ID	OJ000114_03.0320.C19
Gene No.	101815	Strand	-
Start	679	End	5627
Name	OJ000114_03.0320.C19.o1.gs	Method	GENSCAN
Start	679	End	5627
GI	none	Score	.42
Exons	679..794, 907..1026, 1170..1205, 2578..2698, 2790..2944, 3006..3074, 4083..4183, 4573..4712, 4806..5070, 5533..5627		

Seq. No.	47836	Seq. ID	OJ000114_03.0320.C19
Gene No.	101815	Strand	-
Start	679	End	5627
Name	OJ000114_03.0320.C19.o1.tc	Method	TBLASTX:Cress
Start	4214	End	4896
GI	none	Score	123
Exons	4214..4306, 4215..4283, 4516..4635, 4518..4631, 4744..4896, 4761..4895		

Seq. No.	47836	Seq. ID	OJ000114_03.0320.C19
Gene No.	101815	Strand	-
Start	679	End	5627
Name	OJ000114_03.0320.C19.o1.ts	Method	TBLASTX:Soybean
Start	4214	End	4908
GI	none	Score	50
Exons	4214..4255, 4215..4250, 4248..4283, 4516..4635, 4518..4649, 4737..4901, 4744..4908		

Seq. No.	47837	Seq. ID	OJ000114_02.0323.C1
Gene No.	101816	Strand	+
Start	1	End	158
Name	OJ000114_02.0323.C1.o1.np	Method	AAT/NAP
Start	1	End	158
GI	4680186	Score	235
Exons	1..158		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47837	Seq. ID	OJ000114_02.0323.C1
Gene No.	101817	Strand	-
Start	1	End	91
Name	OJ000114_02.0323.C1.o1.gp	Method	AAT/GAP
Start	1	End	91
GI	uC-osf1cyp033a04b1	Score	170
Exons	1..91		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47837	Seq. ID	OJ000114_02.0323.C1
Gene No.	101818	Strand	-
Start	522	End	1266
Name	OJ000114_02.0323.C1.o1.gs	Method	GENSCAN
Start	522	End	1266
GI	none	Score	.91
Exons	522..607, 904..1075, 1168..1266		

Seq. No.	47838	Seq. ID	OJ000114_02.0323.C2
Gene No.	101819	Strand	+
Start	533	End	651

Name	OJ000114_02.0323.C2.o1.gs	Method	GENSCAN
Start	533	End	651
GI	none	Score	.45
Exons	533..651		

Seq. No.	47838	Seq. ID	OJ000114_02.0323.C2
Gene No.	101820	Strand	+
Start	1573	End	2666
Name	OJ000114_02.0323.C2.o1.np	Method	AAT/NAP
Start	1573	End	2666
GI	4680186	Score	376
Exons	1573..1627, 2466..2666		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47838	Seq. ID	OJ000114_02.0323.C2
Gene No.	101821	Strand	+
Start	4103	End	7287
Name	OJ000114_02.0323.C2.o3.gs	Method	GENSCAN
Start	4103	End	7287
GI	none	Score	.88
Exons	4103..4170, 4802..5063, 5275..5533, 6599..6774, 6832..7287		

Seq. No.	47838	Seq. ID	OJ000114_02.0323.C2
Gene No.	101821	Strand	+
Start	4103	End	7287
Name	OJ000114_02.0323.C2.o2.np	Method	AAT/NAP
Start	4139	End	5669
GI	7248393	Score	323
Exons	4139..4220, 5157..5669		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	47838	Seq. ID	OJ000114_02.0323.C2
Gene No.	101822	Strand	+
Start	7443	End	7759
Name	OJ000114_02.0323.C2.o3.np	Method	AAT/NAP
Start	7443	End	7759
GI	7228450	Score	178
Exons	7443..7560, 7646..7759		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	47838	Seq. ID	OJ000114_02.0323.C2
Gene No.	101823	Strand	-
Start	1739	End	3968
Name	OJ000114_02.0323.C2.o2.gs	Method	GENSCAN
Start	1739	End	3968
GI	none	Score	.84
Exons	1739..1776, 3059..3115, 3408..3579, 3672..3968		

Seq. No.	47838	Seq. ID	OJ000114_02.0323.C2
Gene No.	101823	Strand	-
Start	1739	End	3968
Name	OJ000114_02.0323.C2.o1.gp	Method	AAT/GAP
Start	2218	End	2599
GI	uC-osflcyp033a04b1	Score	651
Exons	2218..2599		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47839	Seq. ID	OJ000114_02.0323.C3
Gene No.	101824	Strand	+
Start	517	End	2347
Name	OJ000114_02.0323.C3.o1.np	Method	AAT/NAP
Start	517	End	2347
GI	4680179	Score	2233
Exons	517..2347		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47839	Seq. ID	OJ000114_02.0323.C3
Gene No.	101824	Strand	+
Start	517	End	2347
Name	OJ000114_02.0323.C3.o3.tw	Method	TBLASTX:Wheat
Start	519	End	765
GI	none	Score	324
Exons	519..761, 544..765, 556..765		

Seq. No.	47839	Seq. ID	OJ000114_02.0323.C3
Gene No.	101824	Strand	+
Start	517	End	2347
Name	OJ000114_02.0323.C3.o1.gs	Method	GENSCAN
Start	521	End	2227
GI	none	Score	.8
Exons	521..1137, 1190..2227		

Seq. No.	47839	Seq. ID	OJ000114_02.0323.C3
Gene No.	101824	Strand	+
Start	517	End	2347
Name	OJ000114_02.0323.C3.o3.tm	Method	TBLASTX:Maize
Start	537	End	774
GI	none	Score	279
Exons	537..761, 544..765, 556..774		

Seq. No.	47839	Seq. ID	OJ000114_02.0323.C3
Gene No.	101824	Strand	+
Start	517	End	2347
Name	OJ000114_02.0323.C3.o2.tw	Method	TBLASTX:Wheat
Start	774	End	1330
GI	none	Score	384
Exons	774..1184, 796..1176, 877..1185, 1171..1329, 1172..1330		

Seq. No.	47839	Seq. ID	OJ000114_02.0323.C3
Gene No.	101824	Strand	+
Start	517	End	2347
Name	OJ000114_02.0323.C3.o1.ts	Method	TBLASTX:Soybean
Start	1175	End	1378
GI	none	Score	250
Exons	1175..1378, 1175..1378		

Seq. No.	47839	Seq. ID	OJ000114_02.0323.C3
Gene No.	101824	Strand	+
Start	517	End	2347
Name	OJ000114_02.0323.C3.o2.tm	Method	TBLASTX:Maize
Start	1176	End	1468
GI	none	Score	86
Exons	1176..1328, 1177..1464, 1178..1468		

Seq. No.	47839	Seq. ID	OJ000114_02.0323.C3
Gene No.	101824	Strand	+
Start	517	End	2347
Name	OJ000114_02.0323.C3.o1.tw	Method	TBLASTX:Wheat
Start	1337	End	1963
GI	none	Score	682
Exons	1337..1963, 1393..1851, 1709..1960		

Seq. No.	47839	Seq. ID	OJ000114_02.0323.C3
Gene No.	101824	Strand	+
Start	517	End	2347
Name	OJ000114_02.0323.C3.o1.tm	Method	TBLASTX:Maize
Start	1517	End	2116
GI	none	Score	227
Exons	1517..1678, 1525..1671, 1676..2116, 1678..2100		

Seq. No.	47839	Seq. ID	OJ000114_02.0323.C3
Gene No.	101824	Strand	+
Start	517	End	2347
Name	OJ000114_02.0323.C3.o4.tw	Method	TBLASTX:Wheat
Start	1963	End	2188
GI	none	Score	244
Exons	1963..2178, 1964..2188		

Seq. No.	47840	Seq. ID	OJ000114_02.0323.C6
Gene No.	101825	Strand	-
Start	173	End	1015
Name	OJ000114_02.0323.C6.o1.np	Method	AAT/NAP
Start	173	End	1015
GI	5922620	Score	137
Exons	173..343, 750..1015		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47841	Seq. ID	OJ000114_02.0323.C7
Gene No.	101826	Strand	+
Start	1	End	1172
Name	OJ000114_02.0323.C7.o1.np	Method	AAT/NAP
Start	1	End	1172
GI	6630699	Score	87
Exons	1..64, 1086..1172		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47841	Seq. ID	OJ000114_02.0323.C7
Gene No.	101827	Strand	-
Start	457	End	1166
Name	OJ000114_02.0323.C7.o1.gs	Method	GENSCAN
Start	457	End	1166
GI	none	Score	.77
Exons	457..481, 816..990, 1083..1166		

Seq. No.	47842	Seq. ID	OJ000114_02.0323.C9
Gene No.	101828	Strand	+
Start	1552	End	2007
Name	OJ000114_02.0323.C9.o1.np	Method	AAT/NAP
Start	1552	End	2007
GI	4126693	Score	673
Exons	1552..2007		
GI Descrip.	(AB016504) prolamin [Oryza sativa] gi|6180118|gb|AAF05813.1|AF194115_1 (AF194115) prolamin 7 [Oryza sativa]		

Seq. No.	47842	Seq. ID	OJ000114_02.0323.C9
Gene No.	101829	Strand	-
Start	1541	End	2079
Name	OJ000114_02.0323.C9.o1.gp	Method	AAT/GAP
Start	1541	End	2079
GI	2799029	Score	710
Exons	1541..2079		
GI Descrip.	2827318 1.0e-20 (AF042201) seed prolamine [Oryza sativa]		

Seq. No.	47843	Seq. ID	OJ000114_02.0323.C10
Gene No.	101830	Strand	-
Start	369	End	544
Name	OJ000114_02.0323.C10.o1.gp	Method	AAT/GAP
Start	369	End	544
GI	LIB3599-001-P1-K6-G10	Score	307
Exons	369..544		
GI Descrip.	'4126693/dbj|BAA36698| 8.0e-14 (AB016504) prolamin [Oryza sativa]'		

Seq. No.	47844	Seq. ID	OJ000114_02.0323.C11
Gene No.	101831	Strand	+
Start	325	End	1834
Name	OJ000114_02.0323.C11.o1.gs	Method	GENSCAN
Start	325	End	1834
GI	none	Score	.49
Exons	325..379, 1545..1834		

Seq. No.	47844	Seq. ID	OJ000114_02.0323.C11
Gene No.	101832	Strand	-
Start	1734	End	1870
Name	OJ000114_02.0323.C11.o1.gp	Method	AAT/GAP
Start	1734	End	1870
GI	2442705	Score	257
Exons	1734..1870		

Seq. No.	47845	Seq. ID	OJ000114_02.0323.C12
Gene No.	101833	Strand	+
Start	1522	End	2628
Name	OJ000114_02.0323.C12.o1.gs	Method	GENSCAN
Start	1522	End	2628
GI	none	Score	.96
Exons	1522..2628		

Seq. No.	47845	Seq. ID	OJ000114_02.0323.C12
Gene No.	101834	Strand	+
Start	3913	End	5576

Name	OJ000114_02.0323.C12.o2.np	Method	AAT/NAP
Start	3913	End	5576
GI	5042448	Score	209
Exons	3913..3950, 5317..5576		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	47845	Seq. ID	OJ000114_02.0323.C12
Gene No.	101834	Strand	+
Start	3913	End	5576
Name	OJ000114_02.0323.C12.o1.np	Method	AAT/NAP
Start	3985	End	4734
GI	4680183	Score	189
Exons	3985..4055, 4645..4734		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	47845	Seq. ID	OJ000114_02.0323.C12
Gene No.	101835	Strand	-
Start	5273	End	5328
Name	OJ000114_02.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	2166	End	2553
GI	none	Score	131
Exons	2166..2249, 2167..2310, 2212..2262, 2275..2334, 2326..2412, 2342..2410, 2482..2553, 2517..2552		

Seq. No.	47845	Seq. ID	OJ000114_02.0323.C12
Gene No.	101835	Strand	-
Start	5273	End	5328
Name	OJ000114_02.0323.C12.o1.gp	Method	AAT/GAP
Start	5273	End	5328
GI	3106943	Score	87
Exons	5273..5328		
GI Descrip.	1019378/dbj|D17785|RICNH4621 1.0e-104 Rice DNA for U3 small nuclear RNA, partial sequence		

Seq. No.	47846	Seq. ID	OJ000114_02.0323.C13
Gene No.	101836	Strand	+
Start	31	End	8346
Name	OJ000114_02.0323.C13.o1.gs	Method	GENSCAN
Start	31	End	2325
GI	none	Score	.89
Exons	31..1084, 1322..1425, 1474..2325		

Seq. No.	47846	Seq. ID	OJ000114_02.0323.C13
Gene No.	101836	Strand	+
Start	31	End	8346
Name	OJ000114_02.0323.C13.o1.np	Method	AAT/NAP
Start	31	End	5313
GI	4680179	Score	3554
Exons	31..2358, 4037..4091, 5255..5313		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47846	Seq. ID	OJ000114_02.0323.C13
Gene No.	101836	Strand	+
Start	31	End	8346
Name	OJ000114_02.0323.C13.o3.tw	Method	TBLASTX:Wheat
Start	475	End	756

GI	none	Score	180
Exons	475..690, 486..602, 661..756		

Seq. No.	47846	Seq. ID	OJ000114_02.0323.C13
Gene No.	101836	Strand	+
Start	31	End	8346
Name	OJ000114_02.0323.C13.o2.tw	Method	TBLASTX:Wheat
Start	1033	End	1455
GI	none	Score	146
Exons	1033..1242, 1083..1181, 1242..1382, 1264..1455, 1293..1448		

Seq. No.	47846	Seq. ID	OJ000114_02.0323.C13
Gene No.	101836	Strand	+
Start	31	End	8346
Name	OJ000114_02.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	1612	End	2094
GI	none	Score	545
Exons	1612..2094, 1716..2051, 1741..2085		

Seq. No.	47846	Seq. ID	OJ000114_02.0323.C13
Gene No.	101836	Strand	+
Start	31	End	8346
Name	OJ000114_02.0323.C13.o2.ts	Method	TBLASTX:Soybean
Start	1648	End	1962
GI	none	Score	189
Exons	1648..1962, 1764..1961		

Seq. No.	47846	Seq. ID	OJ000114_02.0323.C13
Gene No.	101836	Strand	+
Start	31	End	8346
Name	OJ000114_02.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	1681	End	2148
GI	none	Score	387
Exons	1681..2148, 1752..2051		

Seq. No.	47846	Seq. ID	OJ000114_02.0323.C13
Gene No.	101836	Strand	+
Start	31	End	8346
Name	OJ000114_02.0323.C13.o1.ts	Method	TBLASTX:S[illegible]n
Start	2035	End	2238
GI	none	Score	57
Exons	2035..2067, 2035..2079, 2071..2238, 2071..2214		

Seq. No.	47846	Seq. ID	OJ000114_02.0323.C13
Gene No.	101836	Strand	+
Start	31		
Name	OJ000114_02.0323.C13.o1	Method	[illegible]
Start	2302	End	2559
GI	61605_3.R1084	Score	438
Exons	2302..2559		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	47846	Seq. ID	OJ000114_02.0323.C13
Gene No.	101836	Strand	+
Start	31	End	8346
Name	OJ000114_02.0323.C13.o2.np	Method	AAT/NAP

Start	3176	End	6940
GI	5852179	Score	476
Exons	3176..3196, 4185..4387, 4462..4693, 6833..6940		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	47846	Seq. ID	OJ000114_02.0323.C13
Gene No.	101836	Strand	+
Start	31	End	8346
Name	OJ000114_02.0323.C13.o2.gs	Method	GENSCAN
Start	4275	End	8304
GI	none	Score	.53
Exons	4275..4387, 4439..4875, 7506..7754, 8016..8304		

Seq. No.	47846	Seq. ID	OJ000114_02.0323.C13
Gene No.	101836	Strand	+
Start	31	End	8346
Name	OJ000114_02.0323.C13.o3.np	Method	AAT/NAP
Start	8027	End	8346
GI	6063545	Score	324
Exons	8027..8346		
GI Descrip.	(AP000615) hypothetical protein [Oryza sativa]		

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101837	Strand	+
Start	1	End	1014
Name	OJ000114_02.0323.C14.o1.np	Method	AAT/NAP
Start	1	End	986
GI	6907089	Score	545
Exons	1..112, 218..986		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101837	Strand	+
Start	1	End	1014
Name	OJ000114_02.0323.C14.o1.gs	Method	GENSCAN
Start	56	End	1014
GI	none	Score	.44
Exons	56..752, 914..1014		

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101838	Strand	-
Start	1817	End	5527
Name	OJ000114_02.0323.C14.o2.np	Method	AAT/NAP
Start	1700	End	5527
GI	7228457	Score	3371
Exons	1700..3573, 3696..4515, 4579..5527		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101838	Strand	-
Start	1817	End	5527
Name	OJ000114_02.0323.C14.o4.tw	Method	TBLASTX:Wheat
Start	1709	End	2318
GI	none	Score	96
Exons	1709..1834, 1865..2308, 2070..2168, 2208..2285, 2208..2318,		

2269..2307

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101838	Strand	-
Start	1817	End	5527
Name	OJ000114_02.0323.C14.o2.gs	Method	GENSCAN
Start	1817	End	5494
GI	none	Score	.56
Exons	1817..2531, 2720..3021, 3187..3536, 3824..3960, 4152..4461, 4536..4810, 4930..5232, 5259..5494		

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101838	Strand	-
Start	1817	End	5527
Name	OJ000114_02.0323.C14.o6.tw	Method	TBLASTX:Wheat
Start	2325	End	2569
GI	none	Score	112
Exons	2325..2507, 2339..2515, 2506..2565, 2507..2569		

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101838	Strand	-
Start	1817	End	5527
Name	OJ000114_02.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	2578	End	2994
GI	none	Score	78
Exons	2578..2820, 2905..2994		

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101838	Strand	-
Start	1817	End	5527
Name	OJ000114_02.0323.C14.o5.tw	Method	TBLASTX:Wheat
Start	2668	End	3117
GI	none	Score	97
Exons	2668..2820, 2672..2809, 2873..3049, 2893..3117		

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101838	Strand	-
Start	1817	End	5527
Name	OJ000114_02.0323.C14.o2.ts	Method	TBLASTX:Soybean
Start	3478	End	3869
GI	none	Score	88
Exons	3478..3549, 3546..3728, 3725..3796, 3795..3869		

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101838	Strand	-
Start	1817	End	5527
Name	OJ000114_02.0323.C14.o2.tw	Method	TBLASTX:Wheat
Start	3546	End	3944
GI	none	Score	86
Exons	3546..3734, 3547..3708, 3716..3796, 3726..3797, 3793..3942, 3795..3944		

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101838	Strand	-
Start	1817	End	5527
Name	OJ000114_02.0323.C14.o2.tm	Method	TBLASTX:Maize
Start	3621	End	3959

GI	none	Score	68
Exons	3621..3731, 3725..3793, 3726..3809, 3793..3954, 3798..3959		

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101838	Strand	-
Start	1817	End	5527
Name	OJ000114_02.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	4031	End	4316
GI	none	Score	184
Exons	4031..4315, 4041..4316		

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101838	Strand	-
Start	1817	End	5527
Name	OJ000114_02.0323.C14.o1.tw	Method	TBLASTX:Wheat
Start	4055	End	4507
GI	none	Score	226
Exons	4055..4330, 4056..4307, 4321..4506, 4328..4507		

Seq. No.	47847	Seq. ID	OJ000114_02.0323.C14
Gene No.	101838	Strand	-
Start	1817	End	5527
Name	OJ000114_02.0323.C14.o3.tw	Method	TBLASTX:Wheat
Start	4510	End	5145
GI	none	Score	81
Exons	4510..4641, 4615..4815, 4631..4819, 4795..4950, 4812..5144, 5008..5145		

Seq. No.	47848	Seq. ID	OJ000114_02.0323.C15
Gene No.	101839	Strand	+
Start	1347	End	1890
Name	OJ000114_02.0323.C15.o2.np	Method	AAT/NAP
Start	1347	End	1890
GI	6539585	Score	273
Exons	1347..1515, 1812..1890		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	47848	Seq. ID	OJ000114_02.0323.C15
Gene No.	101840	Strand	-
Start	1	End	4461
Name	OJ000114_02.0323.C15.o1.np	Method	AAT/NAP
Start	1	End	1130
GI	6721562	Score	885
Exons	1..1130		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	47848	Seq. ID	OJ000114_02.0323.C15
Gene No.	101840	Strand	-
Start	1	End	4461
Name	OJ000114_02.0323.C15.o1.gs	Method	GENSCAN
Start	8	End	4461
GI	none	Score	.65
Exons	8..94, 149..333, 449..798, 1216..1324, 1788..1952, 1997..2043,		

4127..4206, 4417..4461

Seq. No.	47848	Seq. ID	OJ000114_02.0323.C15
Gene No.	101840	Strand	-
Start	1	End	4461
Name	OJ000114_02.0323.C15.o1.tw	Method	TBLASTX:Wheat
Start	131	End	439
GI	none	Score	103
Exons	131..367, 165..362, 173..382,	177..383,	397..435, 401..439

Seq. No.	47848	Seq. ID	OJ000114_02.0323.C15
Gene No.	101840	Strand	-
Start	1	End	4461
Name	OJ000114_02.0323.C15.o3.np	Method	AAT/NAP
Start	2450	End	2612
GI	7363271	Score	120
Exons	2450..2612		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	47849	Seq. ID	OJ000114_02.0323.C16
Gene No.	101841	Strand	+
Start	1175	End	1872
Name	OJ000114_02.0323.C16.o1.gp	Method	AAT/GAP
Start	1117	End	1872
GI	66_1.R1084	Score	1055
Exons	1117..1712, 1810..1872		
GI Descrip.	'4126693/dbj|BAA36698| 7.0e-33 (AB016504) prolamin [Oryza sativa]'		

Seq. No.	47849	Seq. ID	OJ000114_02.0323.C16
Gene No.	101841	Strand	+
Start	1175	End	1872
Name	OJ000114_02.0323.C16.o1.gs	Method	GENSCAN
Start	1175	End	1636
GI	none	Score	.53
Exons	1175..1636		

Seq. No.	47849	Seq. ID	OJ000114_02.0323.C16
Gene No.	101841	Strand	+
Start	1175	End	1872
Name	OJ000114_02.0323.C16.o1.np	Method	AAT/NAP
Start	1175	End	1630
GI	4126693	Score	695
Exons	1175..1630		
GI Descrip.	(AB016504) prolamin [Oryza sativa] gi|6180118|gb|AAF05813.1|AF194115_1 (AF194115) prolamin 7 [Oryza sativa]		

Seq. No.	47850	Seq. ID	OJ000114_02.0323.C17
Gene No.	101842	Strand	+
Start	361	End	928
Name	OJ000114_02.0323.C17.o1.gp	Method	AAT/GAP
Start	339	End	928
GI	66_8.R1084	Score	845
Exons	339..928		
GI Descrip.	'82501/pir||JH0220 1.0e-41 prolamin precursor (clone pS23) - rice >gi_20302_emb_CAA37849_ (X53856) prolamin [Oryza sativa]'		

Seq. No.	47850	Seq. ID	OJ000114_02.0323.C17
Gene No.	101842	Strand	+
Start	361	End	928
Name	OJ000114_02.0323.C17.o1.gs	Method	GENSCAN
Start	361	End	770
GI	none	Score	.81
Exons	361..510, 646..770		

Seq. No.	47850	Seq. ID	OJ000114_02.0323.C17
Gene No.	101842	Strand	+
Start	361	End	928
Name	OJ000114_02.0323.C17.o1.np	Method	AAT/NAP
Start	361	End	816
GI	4126693	Score	664
Exons	361..816		
GI Descrip.	(AB016504) prolamin [Oryza sativa] gi|6180118|gb|AAF05813.1|AF194115_1 (AF194115) prolamin 7 [Oryza sativa]		

Seq. No.	47851	Seq. ID	OJ000114_02.0323.C18
Gene No.	101843	Strand	+
Start	140	End	521
Name	OJ000114_02.0323.C18.o1.gp	Method	AAT/GAP
Start	140	End	521
GI	uC-osflcyp033a04b1	Score	647
Exons	140..521		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47851	Seq. ID	OJ000114_02.0323.C18
Gene No.	101844	Strand	-
Start	70	End	1679
Name	OJ000114_02.0323.C18.o1.gs	Method	GENSCAN
Start	70	End	1444
GI	none	Score	.7
Exons	70..273, 880..1050, 1373..1444		

Seq. No.	47851	Seq. ID	OJ000114_02.0323.C18
Gene No.	101844	Strand	-
Start	70	End	1679
Name	OJ000114_02.0323.C18.o1.np	Method	AAT/NAP
Start	73	End	1679
GI	4680186	Score	325
Exons	73..273, 1650..1679		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47852	Seq. ID	OJ000114_02.0323.C21
Gene No.	101845	Strand	+
Start	1163	End	1288
Name	OJ000114_02.0323.C21.o1.gs	Method	GENSCAN
Start	1163	End	1288
GI	none	Score	.98
Exons	1163..1288		

Seq. No.	47853	Seq. ID	OJ000114_02.0323.C22
Gene No.	101846	Strand	-

Start	1039	End	2033
Name	OJ000114_02.0323.C22.o1.np	Method	AAT/NAP
Start	1039	End	2033
GI	7546685	Score	965
Exons	1039..2033		
GI Descrip.	(AL163652) serine/threonine protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	47853	Seq. ID	OJ000114_02.0323.C22
Gene No.	101846	Strand	-
Start	1039	End	2033
Name	OJ000114_02.0323.C22.o1.ts	Method	TBLASTX:Soybean
Start	1070	End	2033
GI	none	Score	124
Exons	1070..1264, 1070..1504, 1098..1280, 1335..1505, 1598..2029, 1599..1970, 1610..2029, 1698..2033, 1708..2031		

Seq. No.	47853	Seq. ID	OJ000114_02.0323.C22
Gene No.	101846	Strand	-
Start	1039	End	2033
Name	OJ000114_02.0323.C22.o1.tm	Method	TBLASTX:Maize
Start	1076	End	2032
GI	none	Score	286
Exons	1076..1501, 1098..1496, 1598..2032, 1602..1970, 1678..2031		

Seq. No.	47853	Seq. ID	OJ000114_02.0323.C22
Gene No.	101846	Strand	-
Start	1039	End	2033
Name	OJ000114_02.0323.C22.o1.tc	Method	TBLASTX:Cress
Start	1104	End	2029
GI	none	Score	90
Exons	1104..1241, 1106..1243, 1298..1498, 1338..1478, 1601..2029, 1617..1976, 1712..2023		

Seq. No.	47853	Seq. ID	OJ000114_02.0323.C22
Gene No.	101846	Strand	-
Start	1039	End	2033
Name	OJ000114_02.0323.C22.o2.tw	Method	TBLASTX:Wheat
Start	1136	End	1486
GI	none	Score	78
Exons	1136..1264, 1161..1277, 1161..1262, 1163..1306, 1409..1486		

Seq. No.	47853	Seq. ID	OJ000114_02.0323.C22
Gene No.	101846	Strand	-
Start	1039	End	2033
Name	OJ000114_02.0323.C22.o1.tw	Method	TBLASTX:Wheat
Start	1545	End	1822
GI	none	Score	38
Exons	1545..1619, 1616..1822, 1683..1814		

Seq. No.	47854	Seq. ID	OJ000114_02.0323.C23
Gene No.	101847	Strand	+
Start	1	End	755
Name	OJ000114_02.0323.C23.o1.np	Method	AAT/NAP
Start	1	End	755
GI	7106512	Score	895
Exons	1..613, 691..755		

GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	47854	Seq. ID	OJ000114_02.0323.C23
Gene No.	101847	Strand	+
Start	1	End	755
Name	OJ000114_02.0323.C23.o1.gs	Method	GENSCAN
Start	99	End	445
GI	none	Score	.51
Exons	99..445		
Seq. No.	47855	Seq. ID	OJ000114_02.0323.C26
Gene No.	101848	Strand	-
Start	1403	End	4006
Name	OJ000114_02.0323.C26.o1.np	Method	AAT/NAP
Start	859	End	4006
GI	6587849	Score	579
Exons	859..880, 2531..2779, 2938..4006		
GI Descrip.	(AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	47855	Seq. ID	OJ000114_02.0323.C26
Gene No.	101848	Strand	-
Start	1403	End	4006
Name	OJ000114_02.0323.C26.o1.gs	Method	GENSCAN
Start	1403	End	3545
GI	none	Score	.51
Exons	1403..1590, 1856..1961, 2164..2650, 3133..3545		
Seq. No.	47855	Seq. ID	OJ000114_02.0323.C26
Gene No.	101848	Strand	-
Start	1403	End	4006
Name	OJ000114_02.0323.C26.o2.tw	Method	TBLASTX:Wheat
Start	2311	End	2730
GI	none	Score	60
Exons	2311..2400, 2311..2730, 2453..2722		
Seq. No.	47855	Seq. ID	OJ000114_02.0323.C26
Gene No.	101848	Strand	-
Start	1403	End	4006
Name	OJ000114_02.0323.C26.o1.tw	Method	TBLASTX:Wheat
Start	3276	End	3674
GI	none	Score	142
Exons	3276..3350, 3328..3666, 3351..3674		
Seq. No.	47855	Seq. ID	OJ000114_02.0323.C26
Gene No.	101848	Strand	-
Start	1403	End	4006
Name	OJ000114_02.0323.C26.o1.tm	Method	TBLASTX:Maize
Start	3322	End	3683
GI	none	Score	99
Exons	3322..3663, 3330..3683		
Seq. No.	47855	Seq. ID	OJ000114_02.0323.C26
Gene No.	101848	Strand	-
Start	1403	End	4006
Name	OJ000114_02.0323.C26.o1.ts	Method	TBLASTX:Soybean

Start	3339	End	3758
GI	none	Score	121
Exons	3339..3539, 3570..3758		

Seq. No.	47855	Seq. ID	OJ000114_02.0323.C26
Gene No.	101848	Strand	-
Start	1403	End	4006
Name	OJ000114_02.0323.C26.o3.tw	Method	TBLASTX:Wheat
Start	3678	End	3879
GI	none	Score	117
Exons	3678..3878, 3679..3879		

Seq. No.	47856	Seq. ID	OJ000114_02.0323.C30
Gene No.	101849	Strand	+
Start	1560	End	8451
Name	OJ000114_02.0323.C30.o1.np	Method	AAT/NAP
Start	1560	End	8451
GI	7106512	Score	1554
Exons	1560..1584, 2076..3252, 3421..4146, 4224..4331, 8321..8451		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47856	Seq. ID	OJ000114_02.0323.C30
Gene No.	101849	Strand	+
Start	1560	End	8451
Name	OJ000114_02.0323.C30.o3.gs	Method	GENSCAN
Start	7455	End	8026
GI	none	Score	.78
Exons	7455..7632, 7755..8026		

Seq. No.	47856	Seq. ID	OJ000114_02.0323.C30
Gene No.	101850	Strand	-
Start	4981	End	5256
Name	OJ000114_02.0323.C30.o2.gs	Method	GENSCAN
Start	4981	End	5256
GI	none	Score	.63
Exons	4981..5109, 5194..5256		

Seq. No.	47856	Seq. ID	OJ000114_02.0323.C30
Gene No.	101851	Strand	-
Start	8750	End	9443
Name	OJ000114_02.0323.C30.o4.gs	Method	GENSCAN
Start	8750	End	9429
GI	none	Score	.92
Exons	8750..8757, 9310..9429		

Seq. No.	47856	Seq. ID	OJ000114_02.0323.C30
Gene No.	101851	Strand	-
Start	8750	End	9443
Name	OJ000114_02.0323.C30.o1.gp	Method	AAT/GAP
Start	8841	End	9108
GI	2798358	Score	464
Exons	8841..9108		

Seq. No.	47856	Seq. ID	OJ000114_02.0323.C30
Gene No.	101851	Strand	-
Start	8750	End	9443

Name	OJ000114_02.0323.C30.o1.tc	Method	TBLASTX:Cress
Start	9085	End	9443
GI	none	Score	82
Exons	9085..9216, 9108..9218, 9109..9219, 9113..9229, 9297..9428, 9310..9429, 9310..9435, 9312..9443		

Seq. No.	47856	Seq. ID	OJ000114_02.0323.C30
Gene No.	101851	Strand	-
Start	8750	End	9443
Name	OJ000114_02.0323.C30.o1.ts	Method	TBLASTX:Soybean
Start	9097	End	9443
GI	none	Score	96
Exons	9097..9216, 9099..9218, 9110..9226, 9310..9429, 9310..9411, 9312..9443		

Seq. No.	47856	Seq. ID	OJ000114_02.0323.C30
Gene No.	101851	Strand	-
Start	8750	End	9443
Name	OJ000114_02.0323.C30.o2.np	Method	AAT/NAP
Start	9106	End	9434
GI	5732076	Score	284
Exons	9106..9190, 9310..9434		
GI Descrip.	(AF162444) contains similarity to Pfam family PF00070 - Pyridine nucleotide-disulphide oxidoreductase class-I; score=26.1, E=0.0008, N=1 [Arabidopsis thaliana]		

Seq. No.	47857	Seq. ID	OJ000114_02.0323.C31
Gene No.	101852	Strand	-
Start	1	End	2242
Name	OJ000114_02.0323.C31.o1.np	Method	AAT/NAP
Start	1	End	2242
GI	5732076	Score	1009
Exons	1..265, 880..984, 1070..1286, 1513..1763, 2064..2242		
GI Descrip.	(AF162444) contains similarity to Pfam family PF00070 - Pyridine nucleotide-disulphide oxidoreductase class-I; score=26.1, E=0.0008, N=1 [Arabidopsis thaliana]		

Seq. No.	47857	Seq. ID	OJ000114_02.0323.C31
Gene No.	101852	Strand	-
Start	1	End	2242
Name	OJ000114_02.0323.C31.o1.tm	Method	TBLASTX:Maize
Start	2	End	1766
GI	none	Score	211
Exons	2..271, 3..251, 878..964, 880..987, 880..984, 1060..1143, 1064..1285, 1070..1285, 1074..1289, 1497..1766, 1506..1766		

Seq. No.	47857	Seq. ID	OJ000114_02.0323.C31
Gene No.	101852	Strand	-
Start	1	End	2242
Name	OJ000114_02.0323.C31.o2.ts	Method	TBLASTX:Soybean
Start	2	End	271
GI	none	Score	123
Exons	2..271, 3..257		

Seq. No.	47857	Seq. ID	OJ000114_02.0323.C31
Gene No.	101852	Strand	-
Start	1	End	2242

Name	OJ000114_02.0323.C31.o1.gs	Method	GENSCAN
Start	20	End	2184
GI	none	Score	.91
Exons	20..265, 880..984, 1070..1286, 1513..1763, 2064..2184		

Seq. No.	47857	Seq. ID	OJ000114_02.0323.C31
Gene No.	101852	Strand	-
Start	1	End	2242
Name	OJ000114_02.0323.C31.o2.tc	Method	TBLASTX:Cress
Start	149	End	1285
GI	none	Score	61
Exons	149..262, 855..962, 880..978, 883..987, 1054..1128, 1070..1153, 1070..1156, 1074..1187, 1154..1285, 1178..1285		

Seq. No.	47857	Seq. ID	OJ000114_02.0323.C31
Gene No.	101852	Strand	-
Start	1	End	2242
Name	OJ000114_02.0323.C31.o1.ts	Method	TBLASTX:Soybean
Start	922	End	2241
GI	none	Score	65
Exons	922..984, 1068..1148, 1069..1143, 1070..1150, 1071..1196, 1160..1285, 1176..1289, 1197..1295, 1199..1291, 1497..1841, 1506..1826, 2062..2124, 2064..2162, 2166..2240, 2182..2241		

Seq. No.	47857	Seq. ID	OJ000114_02.0323.C31
Gene No.	101852	Strand	-
Start	1	End	2242
Name	OJ000114_02.0323.C31.o1.gp	Method	AAT/GAP
Start	1117	End	1714
GI	uC-osflcyp159e06b1	Score	712
Exons	1117..1286, 1513..1714		
GI Descrip.	'20255/emb|Z11920|OSHSP82A 1.0e-17 O.sativa gene for heat shock protein 82 HSP82'		

Seq. No.	47857	Seq. ID	OJ000114_02.0323.C31
Gene No.	101852	Strand	-
Start	1	End	2242
Name	OJ000114_02.0323.C31.o1.tc	Method	TBLASTX:Cress
Start	1515	End	2240
GI	none	Score	78
Exons	1515..1790, 1590..1664, 1708..1764, 2062..2178, 2064..2177, 2181..2240, 2182..2238		

Seq. No.	47858	Seq. ID	OJ000114_02.0323.C33
Gene No.	101853	Strand	-
Start	631	End	881
Name	OJ000114_02.0323.C33.o1.gs	Method	GENSCAN
Start	631	End	881
GI	none	Score	.61
Exons	631..783, 801..881		

Seq. No.	47859	Seq. ID	OJ000114_02.0323.C36
Gene No.	101854	Strand	+
Start	56	End	908
Name	OJ000114_02.0323.C36.o1.gs	Method	GENSCAN
Start	56	End	908
GI	none	Score	.91

Exons	56..256, 455..524, 823..908		
Seq. No.	47859	Seq. ID	OJ000114_02.0323.C36
Gene No.	101855	Strand	+
Start	1335	End	1732
Name	OJ000114_02.0323.C36.o1.gp	Method	AAT/GAP
Start	1335	End	1732
GI	uC-osf1cyp033a04b1	Score	611
Exons	1335..1732		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	47859	Seq. ID	OJ000114_02.0323.C36
Gene No.	101856	Strand	-
Start	1	End	1623
Name	OJ000114_02.0323.C36.o1.np	Method	AAT/NAP
Start	1	End	1623
GI	5852180	Score	530
Exons	1..406, 458..583, 1565..1623		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	47859	Seq. ID	OJ000114_02.0323.C36
Gene No.	101857	Strand	-
Start	2490	End	3041
Name	OJ000114_02.0323.C36.o2.gp	Method	AAT/GAP
Start	2490	End	2837
GI	101153_1.R1084	Score	493
Exons	2490..2837		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	47859	Seq. ID	OJ000114_02.0323.C36
Gene No.	101857	Strand	-
Start	2490	End	3041
Name	OJ000114_02.0323.C36.o2.np	Method	AAT/NAP
Start	2612	End	3041
GI	5852180	Score	257
Exons	2612..3041		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	47860	Seq. ID	OJ000114_02.0323.C37
Gene No.	101858	Strand	+
Start	1	End	431
Name	OJ000114_02.0323.C37.o1.np	Method	AAT/NAP
Start	1	End	431
GI	6063554	Score	243
Exons	1..45, 257..431		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	47860	Seq. ID	OJ000114_02.0323.C37
Gene No.	101859	Strand	-
Start	802	End	1130
Name	OJ000114_02.0323.C37.o1.gp	Method	AAT/GAP
Start	802	End	1130
GI	61605_3.R1084	Score	447

Exons	802..1130		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101860	Strand	+
Start	299	End	2784
Name	OJ000114_02.0323.C38.o1.gs	Method	GENSCAN
Start	299	End	2737
GI	none	Score	.54
Exons	299..408, 699..1287, 1348..1711, 1739..1907, 2011..2737		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101860	Strand	+
Start	299	End	2784
Name	OJ000114_02.0323.C38.o1.np	Method	AAT/NAP
Start	718	End	2784
GI	6907089	Score	1963
Exons	718..1907, 2011..2202, 2711..2784		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101861	Strand	+
Start	6335	End	7103
Name	OJ000114_02.0323.C38.o3.gs	Method	GENSCAN
Start	6335	End	7103
GI	none	Score	.77
Exons	6335..6388, 6444..6581, 6619..6822, 6876..7103		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o5.tm	Method	TBLASTX:Maize
Start	3358	End	3501
GI	none	Score	126
Exons	3358..3501, 3362..3496		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o2.np	Method	AAT/NAP
Start	3361	End	12333
GI	7228457	Score	8571
Exons	3361..4911, 4978..5823, 7953..8139, 8834..8950, 9073..9906, 9970..11905, 11967..12333		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o7.tw	Method	TBLASTX:Wheat
Start	3370	End	3972
GI	none	Score	77
Exons	3370..3495, 3374..3496, 3556..3972, 3688..3972		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o2.gs	Method	GENSCAN
Start	3553	End	5654
GI	none	Score	.55
Exons	3553..4060, 4121..5476, 5503..5654		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o5.tw	Method	TBLASTX:Wheat
Start	3973	End	4354
GI	none	Score	163
Exons	3973..4353, 4004..4249, 4077..4256, 4138..4350, 4277..4354		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o2.tm	Method	TBLASTX:Maize
Start	4148	End	4491
GI	none	Score	79
Exons	4148..4297, 4159..4371, 4168..4491, 4181..4462		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o8.tw	Method	TBLASTX:Wheat
Start	4684	End	4944
GI	none	Score	192
Exons	4684..4944		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o2.ts	Method	TBLASTX:Soybean
Start	4744	End	5310
GI	5666795	Score	68
Exons	4744..4944, 4999..5136, 5212..5310		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o4.tw	Method	TBLASTX:Wheat
Start	4999	End	5433
GI	none	Score	92
Exons	4999..5148, 5000..5137, 5192..5368, 5209..5433		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o1.ts	Method	TBLASTX:Soybean
Start	8879	End	9250
GI	none	Score	92
Exons	8879..9250, 9090..9233		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o2.tw	Method	TBLASTX:Wheat
Start	8909	End	9329
GI	none	Score	285
Exons	8909..9328, 8934..9329		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o3.tm	Method	TBLASTX:Maize
Start	9002	End	9386
GI	none	Score	222
Exons	9002..9385, 9021..9386		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o1.tm	Method	TBLASTX:Maize
Start	9413	End	9769
GI	none	Score	73
Exons	9413..9529, 9413..9769, 9423..9734		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o1.tw	Method	TBLASTX:Wheat
Start	9437	End	9881
GI	none	Score	202
Exons	9437..9871, 9441..9881, 9443..9859, 9444..9872		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o3.tw	Method	TBLASTX:Wheat
Start	9883	End	10549
GI	none	Score	156
Exons	9883..9975, 10063..10548, 10094..10354, 10376..10549		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o6.tw	Method	TBLASTX:Wheat
Start	11287	End	11676
GI	none	Score	105
Exons	11287..11544, 11321..11560, 11527..11625, 11528..11608, 11632..11676		

Seq. No.	47861	Seq. ID	OJ000114_02.0323.C38
Gene No.	101862	Strand	-
Start	3553	End	12333
Name	OJ000114_02.0323.C38.o4.tm	Method	TBLASTX:Maize
Start	11389	End	11637
GI	none	Score	102
Exons	11389..11637, 11390..11635		

Seq. No.	47862	Seq. ID	OJ000114_02.0323.C39
Gene No.	101863	Strand	-
Start	1	End	2309
Name	OJ000114_02.0323.C39.o1.np	Method	AAT/NAP
Start	1	End	878
GI	7484957	Score	168
Exons	1..45, 110..420, 652..878		
GI Descrip.	extensin homolog F28A21.80 - Arabidopsis thaliana gi|4539386|emb|CAB37452.1| (AL035526) extensin-like protein [Arabidopsis thaliana] gi|7268661|emb|CAB78869.1| (AL161549) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	47862	Seq. ID	OJ000114_02.0323.C39
Gene No.	101863	Strand	-
Start	1	End	2309
Name	OJ000114_02.0323.C39.o2.np	Method	AAT/NAP
Start	1	End	2309
GI	4680179	Score	1041
Exons	1..100, 1000..1056, 1343..2309		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47862	Seq. ID	OJ000114_02.0323.C39
Gene No.	101863	Strand	-
Start	1	End	2309
Name	OJ000114_02.0323.C39.o1.gs	Method	GENSCAN
Start	178	End	520
GI	none	Score	.94
Exons	178..350, 430..520		

Seq. No.	47862	Seq. ID	OJ000114_02.0323.C39
Gene No.	101863	Strand	-
Start	1	End	2309
Name	OJ000114_02.0323.C39.o1.tm	Method	TBLASTX:Maize
Start	1355	End	1782
GI	none	Score	77
Exons	1355..1552, 1384..1782, 1570..1743		

Seq. No.	47862	Seq. ID	OJ000114_02.0323.C39
Gene No.	101863	Strand	-
Start	1	End	2309
Name	OJ000114_02.0323.C39.o1.tw	Method	TBLASTX:Wheat
Start	1405	End	1891
GI	none	Score	245
Exons	1405..1782, 1448..1891, 1837..1887		

Seq. No.	47863	Seq. ID	OJ000114_02.0323.C40
Gene No.	101864	Strand	+
Start	639	End	1020
Name	OJ000114_02.0323.C40.o1.gp	Method	AAT/GAP
Start	639	End	1020
GI	uC-osflcyp033a04b1	Score	671
Exons	639..1020		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47863	Seq. ID	OJ000114_02.0323.C40
Gene No.	101865	Strand	-

Start	1	End	2919
Name	OJ000114_02.0323.C40.o3.np	Method	AAT/NAP
Start	1	End	2919
GI	6983860	Score	810
Exons	1..30, 1790..2919		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	47863	Seq. ID	OJ000114_02.0323.C40
Gene No.	101865	Strand	-
Start	1	End	2919
Name	OJ000114_02.0323.C40.o1.gs	Method	GENSCAN
Start	74	End	2701
GI	none	Score	.67
Exons	74..205, 358..367, 540..681, 869..922, 1795..1864, 1870..2701		

Seq. No.	47863	Seq. ID	OJ000114_02.0323.C40
Gene No.	101865	Strand	-
Start	1	End	2919
Name	OJ000114_02.0323.C40.o1.np	Method	AAT/NAP
Start	572	End	772
GI	4680186	Score	234
Exons	572..772		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47863	Seq. ID	OJ000114_02.0323.C40
Gene No.	101865	Strand	-
Start	1	End	2919
Name	OJ000114_02.0323.C40.o1.tw	Method	TBLASTX:Wheat
Start	2182	End	2509
GI	none	Score	120
Exons	2182..2508, 2315..2509		

Seq. No.	47863	Seq. ID	OJ000114_02.0323.C40
Gene No.	101865	Strand	-
Start	1	End	2919
Name	OJ000114_02.0323.C40.o1.tm	Method	TBLASTX:Maize
Start	2203	End	2508
GI	none	Score	88
Exons	2203..2508, 2330..2494		

Seq. No.	47863	Seq. ID	OJ000114_02.0323.C40
Gene No.	101865	Strand	-
Start	1	End	2919
Name	OJ000114_02.0323.C40.o2.tw	Method	TBLASTX:Wheat
Start	2543	End	2733
GI	none	Score	115
Exons	2543..2719, 2545..2733		

Seq. No.	47864	Seq. ID	OJ000114_02.0323.C42
Gene No.	101866	Strand	+
Start	1	End	1315
Name	OJ000114_02.0323.C42.o1.np	Method	AAT/NAP
Start	1	End	1315
GI	7106512	Score	1544
Exons	1..1315		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	47864	Seq. ID	OJ000114_02.0323.C42
Gene No.	101866	Strand	+
Start	1	End	1315
Name	OJ000114_02.0323.C42.o1.gs	Method	GENSCAN
Start	23	End	1242
GI	none	Score	.45
Exons	23..1242		

Seq. No.	47865	Seq. ID	OJ000114_02.0323.C43
Gene No.	101867	Strand	-
Start	433	End	1032
Name	OJ000114_02.0323.C43.o1.gs	Method	GENSCAN
Start	433	End	962
GI	none	Score	.52
Exons	433..522, 591..611, 956..962		

Seq. No.	47865	Seq. ID	OJ000114_02.0323.C43
Gene No.	101867	Strand	-
Start	433	End	1032
Name	OJ000114_02.0323.C43.o1.np	Method	AAT/NAP
Start	591	End	1032
GI	6539570	Score	173
Exons	591..657, 846..1032		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	47866	Seq. ID	OJ000214_09.0321.C2
Gene No.	101868	Strand	+
Start	605	End	1570
Name	OJ000214_09.0321.C2.o1.gs	Method	GENSCAN
Start	605	End	1570
GI	none	Score	.67
Exons	605..607, 832..897, 1388..1570		

Seq. No.	47866	Seq. ID	OJ000214_09.0321.C2
Gene No.	101869	Strand	+
Start	2304	End	4630
Name	OJ000214_09.0321.C2.o2.gs	Method	GENSCAN
Start	2304	End	4630
GI	none	Score	.56
Exons	2304..2666, 3804..3931, 4024..4104, 4212..4317, 4436..4630		

Seq. No.	47866	Seq. ID	OJ000214_09.0321.C2
Gene No.	101869	Strand	+
Start	2304	End	4630
Name	OJ000214_09.0321.C2.o1.np	Method	AAT/NAP
Start	3837	End	4313
GI	7487328	Score	100
Exons	3837..3950, 4123..4313		
GI Descrip.	hypothetical protein T22A6.300 - Arabidopsis thaliana gi|5051789|emb|CAB45082.1| (AL078637) putative protein [Arabidopsis thaliana] gi|7269297|emb|CAB79357.1| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	47866	Seq. ID	OJ000214_09.0321.C2
Gene No.	101870	Strand	+

Start	5689	End	6264
Name	OJ000214_09.0321.C2.o2.np	Method	AAT/NAP
Start	5469	End	6151
GI	6324539	Score	116
Exons	5469..5571, 5776..5952, 6068..6151		
GI Descrip.	Yol034wp gi|2131997|pir||S66717 hypothetical protein YOL034w - yeast (Saccharomyces cerevisiae) gi|1419827|emb|CAA99034| (Z74776) ORF YOL034w [Saccharomyces cerevisiae]		

Seq. No.	47866	Seq. ID	OJ000214_09.0321.C2
Gene No.	101870	Strand	+
Start	5689	End	6264
Name	OJ000214_09.0321.C2.o3.gs	Method	GENSCAN
Start	5689	End	6264
GI	none	Score	.8
Exons	5689..6264		

Seq. No.	47866	Seq. ID	OJ000214_09.0321.C2
Gene No.	101871	Strand	-
Start	537	End	968
Name	OJ000214_09.0321.C2.o1.gp	Method	AAT/GAP
Start	537	End	968
GI	none	Score	807
Exons	537..968		

Seq. No.	47866	Seq. ID	OJ000214_09.0321.C2
Gene No.	101872	Strand	
Start	5770	End	6228
Name	OJ000214_09.0321.C2.o1.tm	Method	TBLASTX:Maize
Start	5770	End	6228
GI	none	Score	258
Exons	5770..5955, 5775..5852, 6068..6148, 6068..6133, 6121..6222, 6141..6227, 6142..6228		

Seq. No.	47867	Seq. ID	OJ000214_09.0321.C3
Gene No.	101873	Strand	+
Start	501	End	744
Name	OJ000214_09.0321.C3.o1.gs	Method	GENSCAN
Start	501	End	744
GI	none	Score	.51
Exons	501..744		

Seq. No.	47867	Seq. ID	OJ000214_09.0321.C3
Gene No.	101874	Strand	-
Start	1717	End	2051
Name	OJ000214_09.0321.C3.o1.tm	Method	TBLASTX:Maize
Start	505	End	743
GI	none	Score	171
Exons	505..633, 505..633, 507..635, 510..650, 590..649, 672..743, 675..743		

Seq. No.	47867	Seq. ID	OJ000214_09.0321.C3
Gene No.	101874	Strand	-
Start	1717	End	2051
Name	OJ000214_09.0321.C3.o1.gp	Method	AAT/GAP
Start	1605	End	2051
GI	none	Score	728

Exons	1605..2051		
Seq. No.	47867	Seq. ID	OJ000214_09.0321.C3
Gene No.	101874	Strand	-
Start	1717	End	2051
Name	OJ000214_09.0321.C3.o2.gs	Method	GENSCAN
Start	1717	End	1920
GI	none	Score	.53
Exons	1717..1920		
Seq. No.	47868	Seq. ID	OJ000214_09.0321.C4
Gene No.	101875	Strand	+
Start	313	End	1756
Name	OJ000214_09.0321.C4.o1.gs	Method	GENSCAN
Start	313	End	1756
GI	none	Score	.42
Exons	313..393, 471..526, 1684..1756		
Seq. No.	47869	Seq. ID	OJ000214_09.0321.C5
Gene No.	101876	Strand	+
Start	1	End	2070
Name	OJ000214_09.0321.C5.o2.np	Method	AAT/NAP
Start	1	End	2070
GI	7484649	Score	290
Exons	1..26, 1187..2070		
GI Descrip.	reverse transcriptase - beet retrotransposon (fragment) gi|2462134|emb|CAA73798.1| (Y13368) reverse transcriptase [Beta vulgaris]		
Seq. No.	47869	Seq. ID	OJ000214_09.0321.C5
Gene No.	101876	Strand	+
Start	1	End	2070
Name	OJ000214_09.0321.C5.o1.gs	Method	GENSCAN
Start	1177	End	2018
GI	none	Score	.75
Exons	1177..2018		
Seq. No.	47869	Seq. ID	OJ000214_09.0321.C5
Gene No.	101877	Strand	-
Start	610	End	1177
Name	OJ000214_09.0321.C5.o1.np	Method	AAT/NAP
Start	610	End	1168
GI	4755194	Score	191
Exons	610..1168		
GI Descrip.	(AC007018) hypothetical protein [Arabidopsis thaliana] gi|4755195|gb|AAD29062.1|AC007018_10 (AC007018) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	47869	Seq. ID	OJ000214_09.0321.C5
Gene No.	101877	Strand	-
Start	610	End	1177
Name	OJ000214_09.0321.C5.o1.tm	Method	TBLASTX:Maize
Start	631	End	960
GI	none	Score	117
Exons	631..876, 634..819, 701..874, 886..960, 898..960		
Seq. No.	47869	Seq. ID	OJ000214_09.0321.C5

Gene No.	101877	Strand	-
Start	610	End	1177
Name	OJ000214_09.0321.C5.o3.tm	Method	TBLASTX:Maize
Start	971	End	1177
GI	none	Score	156
Exons	971..1177, 971..1132, 973..1173		

Seq. No.	47869	Seq. ID	OJ000214_09.0321.C5
Gene No.	101878	Strand	
Start	1639	End	2053
Name	OJ000214_09.0321.C5.o2.tm	Method	TBLASTX:Maize
Start	1639	End	2053
GI	none	Score	111
Exons	1639..1761, 1640..1765, 1772..2053, 1832..1930		

Seq. No.	47870	Seq. ID	OJ000214_09.0321.C6
Gene No.	101879	Strand	+
Start	1	End	1276
Name	OJ000214_09.0321.C6.o1.np	Method	AAT/NAP
Start	1	End	995
GI	7267526	Score	269
Exons	1..860, 909..995		
GI Descrip.	(AL161513) putative protein [Arabidopsis thaliana] gi|7321072|emb|CAB82119.1| (AL161813) putative protein [Arabidopsis thaliana]		

Seq. No.	47870	Seq. ID	OJ000214_09.0321.C6
Gene No.	101879	Strand	+
Start	1	End	1276
Name	OJ000214_09.0321.C6.o2.np	Method	AAT/NAP
Start	1	End	1276
GI	6069646	Score	411
Exons	1..22, 305..1276		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	47870	Seq. ID	OJ000214_09.0321.C6
Gene No.	101880	Strand	-
Start	1	End	2146
Name	OJ000214_09.0321.C6.o4.np	Method	AAT/NAP
Start	1	End	2146
GI	7485307	Score	123
Exons	1..24, 1636..1938, 2024..2146		
GI Descrip.	hypothetical protein A_TM021B04.9 - Arabidopsis thaliana gi|2191187|gb|AAB61072.1| (AF007271) contains similarity to a DNAJ-like domain [Arabidopsis thaliana]		

Seq. No.	47870	Seq. ID	OJ000214_09.0321.C6
Gene No.	101880	Strand	-
Start	1	End	2146
Name	OJ000214_09.0321.C6.o2.tm	Method	TBLASTX:Maize
Start	2	End	394
GI	none	Score	320
Exons	2..394, 2..91, 196..318		

Seq. No.	47870	Seq. ID	OJ000214_09.0321.C6
Gene No.	101880	Strand	-
Start	1	End	2146
Name	OJ000214_09.0321.C6.o1.tw	Method	TBLASTX:Wheat
Start	488	End	850
GI	none	Score	76
Exons	488..688, 698..850		

Seq. No.	47870	Seq. ID	OJ000214_09.0321.C6
Gene No.	101880	Strand	-
Start	1	End	2146
Name	OJ000214_09.0321.C6.o3.tm	Method	TBLASTX:Maize
Start	626	End	1159
GI	none	Score	288
Exons	626..1159, 727..1074		

Seq. No.	47870	Seq. ID	OJ000214_09.0321.C6
Gene No.	101880	Strand	-
Start	1	End	2146
Name	OJ000214_09.0321.C6.o1.tm	Method	TBLASTX:Maize
Start	1582	End	2116
GI	none	Score	230
Exons	1582..1926, 1586..1930, 1947..2063, 2021..2059, 2069..2116		

Seq. No.	47871	Seq. ID	OJ000214_09.0321.C7
Gene No.	101881	Strand	+
Start	74	End	521
Name	OJ000214_09.0321.C7.o1.gs	Method	GENSCAN
Start	74	End	521
GI	none	Score	.91
Exons	74..160, 408..521		

Seq. No.	47871	Seq. ID	OJ000214_09.0321.C7
Gene No.	101882	Strand	-
Start	1	End	1886
Name	OJ000214_09.0321.C7.o1.np	Method	AAT/NAP
Start	1	End	1886
GI	6598507	Score	70
Exons	1..174, 1783..1886		
GI Descrip.	(AC006053) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	47871	Seq. ID	OJ000214_09.0321.C7
Gene No.	101882	Strand	-
Start	1	End	1886
Name	OJ000214_09.0321.C7.o2.gs	Method	GENSCAN
Start	1179	End	1867
GI	none	Score	.48
Exons	1179..1568, 1709..1867		

Seq. No.	47872	Seq. ID	OJ000214_09.0321.C10
Gene No.	101883	Strand	+
Start	1	End	3116
Name	OJ000214_09.0321.C10.o1.np	Method	AAT/NAP
Start	1	End	2255
GI	81286	Score	106
Exons	1..132, 261..547, 2047..2255		

GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		
Seq. No.	47872	Seq. ID	OJ000214_09.0321.C10
Gene No.	101883	Strand	+
Start	1	End	3116
Name	OJ000214_09.0321.C10.o1.gp	Method	AAT/GAP
Start	1735	End	1924
GI	none	Score	344
Exons	1735..1924		
Seq. No.	47872	Seq. ID	OJ000214_09.0321.C10
Gene No.	101883	Strand	+
Start	1	End	3116
Name	OJ000214_09.0321.C10.o1.gs	Method	GENSCAN
Start	2079	End	3035
GI	none	Score	.76
Exons	2079..2214, 2296..2375, 2949..3035		
Seq. No.	47872	Seq. ID	OJ000214_09.0321.C10
Gene No.	101883	Strand	+
Start	1	End	3116
Name	OJ000214_09.0321.C10.o2.np	Method	AAT/NAP
Start	2916	End	3116
GI	7485981	Score	128
Exons	2916..3116		
GI Descrip.	hypothetical protein F22O13.15 - Arabidopsis thaliana gi|3063453|gb|AAC14041.1| (AC003981) F22O13.15 [Arabidopsis thaliana]		
Seq. No.	47873	Seq. ID	OJ000214_09.0321.C11
Gene No.	101884	Strand	+
Start	1	End	2351
Name	OJ000214_09.0321.C11.o1.np	Method	AAT/NAP
Start	1	End	2351
GI	7485981	Score	1200
Exons	1..472, 783..873, 1301..1359, 1551..1703, 1965..2351		
GI Descrip.	hypothetical protein F22O13.15 - Arabidopsis thaliana gi|3063453|gb|AAC14041.1| (AC003981) F22O13.15 [Arabidopsis thaliana]		
Seq. No.	47873	Seq. ID	OJ000214_09.0321.C11
Gene No.	101884	Strand	+
Start	1	End	2351
Name	OJ000214_09.0321.C11.o1.gs	Method	GENSCAN
Start	95	End	2351
GI	none	Score	.91
Exons	95..177, 271..472, 783..834, 1301..1359, 1551..1699, 1799..1880, 1965..2351		
Seq. No.	47873	Seq. ID	OJ000214_09.0321.C11
Gene No.	101884	Strand	+
Start	1	End	2351
Name	OJ000214_09.0321.C11.o1.gp	Method	AAT/GAP
Start	1051	End	1676
GI	LIB3431-021-P1-K1-E3	Score	811
Exons	1051..1359, 1551..1676		

GI Descrip. '3063453 1.0e-18 (AC003981) F22O13.15 [Arabidopsis thaliana]'

Seq. No.	47873	Seq. ID	OJ000214_09.0321.C11
Gene No.	101885	Strand	-
Start	2261	End	2478
Name	OJ000214_09.0321.C11.o1.tm	Method	TBLASTX:Maize
Start	88	End	1363
GI	none	Score	157
Exons	88..177, 89..178, 92..178, 271..471, 272..472, 272..475, 780..899, 780..899, 782..907, 782..907, 1261..1359, 1280..1363		

Seq. No.	47873	Seq. ID	OJ000214_09.0321.C11
Gene No.	101885	Strand	-
Start	2261	End	2478
Name	OJ000214_09.0321.C11.o3.ts	Method	TBLASTX:Soybean
Start	278	End	463
GI	none	Score	160
Exons	278..406, 295..405, 410..463		

Seq. No.	47873	Seq. ID	OJ000214_09.0321.C11
Gene No.	101885	Strand	-
Start	2261	End	2478
Name	OJ000214_09.0321.C11.o2.tm	Method	TBLASTX:Maize
Start	1518	End	2096
GI	none	Score	164
Exons	1518..1700, 1601..1699, 1630..1704, 1781..1879, 1795..1878, 1800..1883, 1950..2096		

Seq. No.	47873	Seq. ID	OJ000214_09.0321.C11
Gene No.	101885	Strand	-
Start	2261	End	2478
Name	OJ000214_09.0321.C11.o1.tc	Method	TBLASTX:Cress
Start	1632	End	1904
GI	none	Score	78
Exons	1632..1679, 1634..1681, 1677..1700, 1799..1879, 1800..1904, 1808..1882		

Seq. No.	47873	Seq. ID	OJ000214_09.0321.C11
Gene No.	101885	Strand	-
Start	2261	End	2478
Name	OJ000214_09.0321.C11.o1.ts	Method	TBLASTX:Soybean
Start	1665	End	2119
GI	none	Score	69
Exons	1665..1700, 1667..1699, 1782..1883, 1799..1879, 1799..1885, 1800..1883, 1950..2117, 1963..2088, 1964..2119		

Seq. No.	47873	Seq. ID	OJ000214_09.0321.C11
Gene No.	101885	Strand	-
Start	2261	End	2478
Name	OJ000214_09.0321.C11.o3.tm	Method	TBLASTX:Maize
Start	2161	End	2353
GI	none	Score	240
Exons	2161..2352, 2162..2353, 2163..2339		

Seq. No.	47873	Seq. ID	OJ000214_09.0321.C11
Gene No.	101885	Strand	-
Start	2261	End	2478

Name	OJ000214_09.0321.C11.o2.ts	Method	TBLASTX:Soybean
Start	2187	End	2344
GI	none	Score	208
Exons	2187..2333, 2195..2344		

Seq. No.	47873	Seq. ID	OJ000214_09.0321.C11
Gene No.	101885	Strand	-
Start	2261	End	2478
Name	OJ000214_09.0321.C11.o2.gp	Method	AAT/GAP
Start	2261	End	2478
GI	none	Score	432
Exons	2261..2478		

Seq. No.	47874	Seq. ID	OJ000214_09.0321.C16
Gene No.	101886	Strand	-
Start	1	End	1240
Name	OJ000214_09.0321.C16.o1.np	Method	AAT/NAP
Start	1	End	1240
GI	7523710	Score	785
Exons	1..86, 194..326, 440..588, 773..851, 925..1077, 1155..1240		
GI Descrip.	(AC011001) Similar to phytoene dehydrogenase [Arabidopsis thaliana]		

Seq. No.	47874	Seq. ID	OJ000214_09.0321.C16
Gene No.	101886	Strand	-
Start	1	End	1240
Name	OJ000214_09.0321.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	308
GI	none	Score	74
Exons	1..87, 1..87, 3..89, 184..300, 194..301, 195..296, 195..308, 197..301		

Seq. No.	47874	Seq. ID	OJ000214_09.0321.C16
Gene No.	101886	Strand	-
Start	1	End	1240
Name	OJ000214_09.0321.C16.o1.ts	Method	TBLASTX:Soybean
Start	206	End	564
GI	none	Score	74
Exons	206..307, 216..299, 422..547, 439..564, 441..533		

Seq. No.	47874	Seq. ID	OJ000214_09.0321.C16
Gene No.	101886	Strand	-
Start	1	End	1240
Name	OJ000214_09.0321.C16.o1.gs	Method	GENSCAN
Start	440	End	1157
GI	none	Score	.85
Exons	440..588, 773..851, 925..1077, 1155..1157		

Seq. No.	47874	Seq. ID	OJ000214_09.0321.C16
Gene No.	101886	Strand	-
Start	1	End	1240
Name	OJ000214_09.0321.C16.o2.ts	Method	TBLASTX:Soybean
Start	739	End	1018
GI	none	Score	103
Exons	739..852, 781..843, 783..851, 922..1017, 923..1018		

Seq. No.	47875	Seq. ID	OJ000214_09.0321.C17

Gene No.	101887	Strand	+
Start	2278	End	3954
Name	OJ000214_09.0321.C17.o1.gp	Method	AAT/GAP
Start	2278	End	3954
GI	16696_2.R1084	Score	612
Exons	2278..2399, 3650..3815, 3900..3954		
GI Descrip.	'3790587 5.0e-57 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]'		

Seq. No.	47875	Seq. ID	OJ000214_09.0321.C17
Gene No.	101887	Strand	+
Start	2278	End	3954
Name	OJ000214_09.0321.C17.o2.np	Method	AAT/NAP
Start	3678	End	3946
GI	3790587	Score	204
Exons	3678..3815, 3900..3946		
GI Descrip.	(AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]		

Seq. No.	47875	Seq. ID	OJ000214_09.0321.C17
Gene No.	101888	Strand	-
Start	1	End	4849
Name	OJ000214_09.0321.C17.o1.np	Method	AAT/NAP
Start	1	End	4849
GI	7523710	Score	598
Exons	1..157, 281..463, 987..1236, 3370..3439, 4769..4849		
GI Descrip.	(AC011001) Similar to phytoene dehydrogenase [Arabidopsis thaliana]		

Seq. No.	47875	Seq. ID	OJ000214_09.0321.C17
Gene No.	101888	Strand	-
Start	1	End	4849
Name	OJ000214_09.0321.C17.o3.ts	Method	TBLASTX:Soybean
Start	60	End	386
GI	none	Score	83
Exons	60..119, 61..120, 83..160, 278..385, 282..386		

Seq. No.	47875	Seq. ID	OJ000214_09.0321.C17
Gene No.	101888	Strand	-
Start	1	End	4849
Name	OJ000214_09.0321.C17.o3.tm	Method	TBLASTX:Maize
Start	83	End	439
GI	none	Score	96
Exons	83..160, 276..437, 278..439		

Seq. No.	47875	Seq. ID	OJ000214_09.0321.C17
Gene No.	101888	Strand	-
Start	1	End	4849
Name	OJ000214_09.0321.C17.o1.gs	Method	GENSCAN
Start	281	End	1376
GI	none	Score	.93
Exons	281..487, 987..1376		

Seq. No.	47875	Seq. ID	OJ000214_09.0321.C17
Gene No.	101888	Strand	-
Start	1	End	4849
Name	OJ000214_09.0321.C17.o1.tm	Method	TBLASTX:Maize
Start	446	End	1172

GI	none	Score	68
Exons	446..490, 446..490, 982..1125, 987..1172		

Seq. No.	47875	Seq. ID	OJ000214_09.0321.C17
Gene No.	101888	Strand	-
Start	1	End	4849
Name	OJ000214_09.0321.C17.o2.ts	Method	TBLASTX:Soybean
Start	1002	End	1169
GI	none	Score	131
Exons	1002..1169, 1003..1125		

Seq. No.	47875	Seq. ID	OJ000214_09.0321.C17
Gene No.	101888	Strand	-
Start	1	End	4849
Name	OJ000214_09.0321.C17.o2.tm	Method	TBLASTX:Maize
Start	3658	End	3956
GI	none	Score	168
Exons	3658..3810, 3659..3811, 3660..3818, 3660..3824, 3899..3949, 3900..3947, 3900..3956		

Seq. No.	47875	Seq. ID	OJ000214_09.0321.C17
Gene No.	101888	Strand	-
Start	1	End	4849
Name	OJ000214_09.0321.C17.o1.tc	Method	TBLASTX:Cress
Start	3666	End	3956
GI	none	Score	183
Exons	3666..3818, 3713..3814, 3900..3947, 3900..3956		

Seq. No.	47875	Seq. ID	OJ000214_09.0321.C17
Gene No.	101888	Strand	-
Start	1	End	4849
Name	OJ000214_09.0321.C17.o1.ts	Method	TBLASTX:Soybean
Start	3706	End	3953
GI	none	Score	85
Exons	3706..3813, 3707..3814, 3713..3820, 3714..3818, 3732..3824, 3900..3950, 3902..3949, 3909..3953		

Seq. No.	47876	Seq. ID	OJ000214_09.0321.C18
Gene No.	101889	Strand	+
Start	1	End	1367
Name	OJ000214_09.0321.C18.o1.gp	Method	AAT/GAP
Start	1	End	1367
GI	16696_1.R1084	Score	1600
Exons	1..258, 342..452, 538..919, 1278..1367		
GI Descrip.	'3790587 1.0e-14 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]'		

Seq. No.	47876	Seq. ID	OJ000214_09.0321.C18
Gene No.	101889	Strand	+
Start	1	End	1367
Name	OJ000214_09.0321.C18.o1.np	Method	AAT/NAP
Start	1	End	862
GI	3790587	Score	310
Exons	1..232, 352..452, 538..862		
GI Descrip.	(AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]		

Seq. No.	47876	Seq. ID	OJ000214_09.0321.C18

Gene No.	101889	Strand	+
Start	1	End	1367
Name	OJ000214_09.0321.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	898
GI	none	Score	57
Exons	1..69, 1..108, 3..107, 166..258, 172..258, 173..259, 336..371, 339..368, 340..369, 378..455, 378..455, 379..456, 379..456, 380..460, 506..700, 511..672, 527..724, 689..811, 698..787, 706..798, 835..897, 835..879, 836..898		

Seq. No.	47876	Seq. ID	OJ000214_09.0321.C18
Gene No.	101889	Strand	+
Start	1	End	1367
Name	OJ000214_09.0321.C18.o1.gs	Method	GENSCAN
Start	176	End	865
GI	none	Score	.7
Exons	176..258, 538..865		

Seq. No.	47876	Seq. ID	OJ000214_09.0321.C18
Gene No.	101889	Strand	+
Start	1	End	1367
Name	OJ000214_09.0321.C18.o1.tc	Method	TBLASTX:Cress
Start	358	End	772
GI	none	Score	126
Exons	358..456, 360..455, 502..693, 505..672, 506..772, 527..691		

Seq. No.	47876	Seq. ID	OJ000214_09.0321.C18
Gene No.	101889	Strand	+
Start	1	End	1367
Name	OJ000214_09.0321.C18.o1.ts	Method	TBLASTX:Soybean
Start	378	End	700
GI	none	Score	102
Exons	378..455, 379..456, 526..642, 527..634, 628..663, 629..700		

Seq. No.	47876	Seq. ID	OJ000214_09.0321.C18
Gene No.	101889	Strand	+
Start	1	End	1367
Name	OJ000214_09.0321.C18.o1.tw	Method	TBLASTX:Wheat
Start	535	End	703
GI	none	Score	213
Exons	535..672, 536..703		

Seq. No.	47877	Seq. ID	OJ000214_09.0321.C20
Gene No.	101890	Strand	+
Start	244	End	2933
Name	OJ000214_09.0321.C20.o1.np	Method	AAT/NAP
Start	244	End	2933
GI	7441215	Score	138
Exons	244..506, 2431..2933		
GI Descrip.	hypothetical glycine-rich protein Rv3512 - Mycobacterium tuberculosis (strain H37RV) gi|2924449|emb|CAA17749.1| (AL022022) PE_PGRS [Mycobacterium tuberculosis]		

Seq. No.	47877	Seq. ID	OJ000214_09.0321.C20
Gene No.	101890	Strand	+
Start	244	End	2933
Name	OJ000214_09.0321.C20.o1.gs	Method	GENSCAN

Start	850	End	2892
GI	none	Score	.67
Exons	850..856, 2084..2207, 2269..2357, 2824..2892		

Seq. No.	47878	Seq. ID	OJ000214_09.0321.C21
Gene No.	101891	Strand	+
Start	304	End	982
Name	OJ000214_09.0321.C21.o1.np	Method	AAT/NAP
Start	304	End	982
GI	7106520	Score	326
Exons	304..346, 687..982		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101892	Strand	+
Start	216	End	7654
Name	OJ000214_09.0321.C22.o1.gs	Method	GENSCAN
Start	216	End	7235
GI	none	Score	.74
Exons	216..293, 2586..2851, 5980..6162, 6223..6519, 6671..7235		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101892	Strand	+
Start	216	End	7654
Name	OJ000214_09.0321.C22.o1.np	Method	AAT/NAP
Start	5743	End	7654
GI	6907087	Score	830
Exons	5743..6145, 6344..7014, 7553..7654		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101893	Strand	+
Start	8119	End	8500
Name	OJ000214_09.0321.C22.o1.gp	Method	AAT/GAP
Start	8119	End	8500
GI	uC-osflcyp033a04b1	Score	667
Exons	8119..8500		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101894	Strand	+
Start	10099	End	14260
Name	OJ000214_09.0321.C22.o3.np	Method	AAT/NAP
Start	10099	End	14260
GI	7489738	Score	4195
Exons	10099..10268, 10309..14260		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101895	Strand	-
Start	7547	End	9996
Name	OJ000214_09.0321.C22.o2.gs	Method	GENSCAN

Start	7547	End	8159
GI	none	Score	1
Exons	7547..7653, 8099..8159		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101895	Strand	-
Start	7547	End	9996
Name	OJ000214_09.0321.C22.o2.np	Method	AAT/NAP
Start	8047	End	9996
GI	4680186	Score	246
Exons	8047..8252, 9939..9996		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101896	Strand	
Start	10192	End	11099
Name	OJ000214_09.0321.C22.o1.tm	Method	TBLASTX:Maize
Start	10192	End	11099
GI	none	Score	565
Exons	10192..10770, 10296..10760, 10679..10783, 10855..10944, 11049..11099		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101897	Strand	
Start	11100	End	11282
Name	OJ000214_09.0321.C22.o6.tm	Method	TBLASTX:Maize
Start	11100	End	11282
GI	none	Score	183
Exons	11100..11282, 11101..11280		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101898	Strand	
Start	11419	End	12237
Name	OJ000214_09.0321.C22.o2.ts	Method	TBLASTX:Soybean
Start	11419	End	11796
GI	none	Score	108
Exons	11419..11532, 11430..11519, 11527..11796, 11529..11627, 11655..11690		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101898	Strand	
Start	11419	End	12237
Name	OJ000214_09.0321.C22.o2.tw	Method	TBLASTX:Wheat
Start	11571	End	12234
GI	none	Score	257
Exons	11571..11810, 11572..11811, 11851..12156, 11877..12134, 12135..12209, 12136..12234		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101898	Strand	
Start	11419	End	12237
Name	OJ000214_09.0321.C22.o4.tm	Method	TBLASTX:Maize
Start	11587	End	12045
GI	none	Score	128
Exons	11587..11811, 11860..12045, 11862..12023		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22

Gene No.	101898	Strand	
Start	11419	End	12237
Name	OJ000214_09.0321.C22.o2.tc	Method	TBLASTX:Cress
Start	11851	End	12231
GI	none	Score	116
Exons	11851..12051, 12064..12231		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101898	Strand	
Start	11419	End	12237
Name	OJ000214_09.0321.C22.o3.ts	Method	TBLASTX:Soybean
Start	11851	End	12237
GI	none	Score	178
Exons	11851..12060, 11907..12032, 12064..12237		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101899	Strand	
Start	12746	End	14221
Name	OJ000214_09.0321.C22.o1.ts	Method	TBLASTX:Soybean
Start	12746	End	13183
GI	5509260	Score	350
Exons	12746..13183, 12757..13107		
GI Descrip.	-		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101899	Strand	
Start	12746	End	14221
Name	OJ000214_09.0321.C22.o1.tc	Method	TBLASTX:Cress
Start	12833	End	13093
GI	none	Score	245
Exons	12833..13093, 12835..13071		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101899	Strand	
Start	12746	End	14221
Name	OJ000214_09.0321.C22.o1.tw	Method	TBLASTX:Wheat
Start	12874	End	13666
GI	none	Score	353
Exons	12874..13221, 12875..13219, 12875..13228, 13204..13647, 13205..13666		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101899	Strand	
Start	12746	End	14221
Name	OJ000214_09.0321.C22.o3.tm	Method	TBLASTX:Maize
Start	12875	End	13318
GI	none	Score	262
Exons	12875..13183, 12892..13182, 13217..13318		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101899	Strand	
Start	12746	End	14221
Name	OJ000214_09.0321.C22.o2.tm	Method	TBLASTX:Maize
Start	13319	End	13750
GI	none	Score	81
Exons	13319..13480, 13454..13750		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101899	Strand	
Start	12746	End	14221
Name	OJ000214_09.0321.C22.o4.ts	Method	TBLASTX:Soybean
Start	13640	End	14206
GI	none	Score	106
Exons	13640..13819, 13835..14026, 14015..14206		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101899	Strand	
Start	12746	End	14221
Name	OJ000214_09.0321.C22.o5.tm	Method	TBLASTX:Maize
Start	13763	End	14221
GI	none	Score	48
Exons	13763..13819, 13805..13981, 14030..14221		

Seq. No.	47879	Seq. ID	OJ000214_09.0321.C22
Gene No.	101899	Strand	
Start	12746	End	14221
Name	OJ000214_09.0321.C22.o3.tw	Method	TBLASTX:Wheat
Start	13814	End	14209
GI	none	Score	284
Exons	13814..14209, 13837..14043		

Seq. No.	47880	Seq. ID	OJ000214_09.0321.C24
Gene No.	101900	Strand	-
Start	1	End	2547
Name	OJ000214_09.0321.C24.o1.np	Method	AAT/NAP
Start	1	End	980
GI	4204310	Score	148
Exons	1..66, 141..258, 389..470, 928..980		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	47880	Seq. ID	OJ000214_09.0321.C24
Gene No.	101900	Strand	-
Start	1	End	2547
Name	OJ000214_09.0321.C24.o1.gs	Method	GENSCAN
Start	28	End	2547
GI	none	Score	.85
Exons	28..66, 141..258, 922..980, 1468..1491, 2390..2441, 2453..2547		

Seq. No.	47881	Seq. ID	OJ000214_09.0321.C26
Gene No.	101901	Strand	+
Start	4079	End	8936
Name	OJ000214_09.0321.C26.o2.gs	Method	GENSCAN
Start	4079	End	8936
GI	none	Score	.49
Exons	4079..4154, 4296..4424, 4469..4595, 4637..4798, 8719..8765, 8824..8936		

Seq. No.	47881	Seq. ID	OJ000214_09.0321.C26
Gene No.	101902	Strand	-
Start	1	End	910
Name	OJ000214_09.0321.C26.o1.np	Method	AAT/NAP
Start	1	End	907
GI	6437559	Score	291

Exons	1..47, 514..907		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		
Seq. No.	47881	Seq. ID	OJ000214_09.0321.C26
Gene No.	101902	Strand	-
Start	1	End	910
Name	OJ000214_09.0321.C26.o1.tm	Method	TBLASTX:Maize
Start	458	End	871
GI	none	Score	257
Exons	458..871, 480..863, 509..865		
Seq. No.	47881	Seq. ID	OJ000214_09.0321.C26
Gene No.	101902	Strand	-
Start	1	End	910
Name	OJ000214_09.0321.C26.o1.tc	Method	TBLASTX:Cress
Start	533	End	910
GI	none	Score	129
Exons	533..745, 540..719, 719..910, 720..848		
Seq. No.	47881	Seq. ID	OJ000214_09.0321.C26
Gene No.	101902	Strand	-
Start	1	End	910
Name	OJ000214_09.0321.C26.o1.ts	Method	TBLASTX:Soybean
Start	602	End	839
GI	none	Score	86
Exons	602..715, 603..713, 719..838, 720..839		
Seq. No.	47881	Seq. ID	OJ000214_09.0321.C26
Gene No.	101903	Strand	
Start	8644	End	8976
Name	OJ000214_09.0321.C26.o2.tm	Method	TBLASTX:Maize
Start	8644	End	8976
GI	none	Score	121
Exons	8644..8826, 8647..8820, 8807..8896, 8908..8976, 8913..8975		
Seq. No.	47882	Seq. ID	OJ000214_09.0321.C27
Gene No.	101904	Strand	+
Start	71	End	562
Name	OJ000214_09.0321.C27.o1.gs	Method	GENSCAN
Start	71	End	562
GI	none	Score	.86
Exons	71..188, 291..562		
Seq. No.	47882	Seq. ID	OJ000214_09.0321.C27
Gene No.	101905	Strand	-
Start	1	End	1373
Name	OJ000214_09.0321.C27.o1.np	Method	AAT/NAP
Start	1	End	1373
GI	6437559	Score	158
Exons	1..31, 1016..1373		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		
Seq. No.	47883	Seq. ID	OJ000214_09.0321.C28
Gene No.	101906	Strand	-
Start	26	End	1694
Name	OJ000214_09.0321.C28.o1.gs	Method	GENSCAN
Start	26	End	1614

GI	none	Score	.49
Exons	26..122, 480..1334, 1399..1614		

Seq. No.	47883	Seq. ID	OJ000214_09.0321.C28
Gene No.	101906	Strand	-
Start	26	End	1694
Name	OJ000214_09.0321.C28.o1.tw	Method	TBLASTX:Wheat
Start	43	End	1329
GI	none	Score	65
Exons	43..180, 55..201, 211..285, 279..401, 1042..1119, 1204..1230, 1222..1329		

Seq. No.	47883	Seq. ID	OJ000214_09.0321.C28
Gene No.	101906	Strand	-
Start	26	End	1694
Name	OJ000214_09.0321.C28.o2.tm	Method	TBLASTX:Maize
Start	43	End	304
GI	none	Score	157
Exons	43..291, 53..304, 55..291		

Seq. No.	47883	Seq. ID	OJ000214_09.0321.C28
Gene No.	101906	Strand	-
Start	26	End	1694
Name	OJ000214_09.0321.C28.o1.tm	Method	TBLASTX:Maize
Start	324	End	1506
GI	none	Score	269
Exons	324..380, 466..585, 823..1377, 874..1374, 941..1378, 1002..1385, 1011..1385, 1370..1498, 1376..1498, 1399..1506		

Seq. No.	47883	Seq. ID	OJ000214_09.0321.C28
Gene No.	101906	Strand	-
Start	26	End	1694
Name	OJ000214_09.0321.C28.o1.np	Method	AAT/NAP
Start	769	End	1694
GI	6437559	Score	307
Exons	769..822, 955..1619, 1653..1694		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	47884	Seq. ID	OJ000214_09.0321.C29
Gene No.	101907	Strand	-
Start	1	End	724
Name	OJ000214_09.0321.C29.o1.np	Method	AAT/NAP
Start	1	End	724
GI	6671947	Score	734
Exons	1..255, 338..724		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	47884	Seq. ID	OJ000214_09.0321.C29
Gene No.	101907	Strand	-
Start	1	End	724
Name	OJ000214_09.0321.C29.o1.tm	Method	TBLASTX:Maize
Start	26	End	581
GI	none	Score	157
Exons	26..265, 28..267, 37..279, 326..421, 326..544, 339..539, 473..547, 548..577, 549..581		

Seq. No.	47884	Seq. ID	OJ000214_09.0321.C29
Gene No.	101907	Strand	-
Start	1	End	724
Name	OJ000214_09.0321.C29.o1.gs	Method	GENSCAN
Start	37	End	603
GI	none	Score	.81
Exons	37..255, 338..603		

Seq. No.	47884	Seq. ID	OJ000214_09.0321.C29
Gene No.	101907	Strand	-
Start	1	End	724
Name	OJ000214_09.0321.C29.o1.ts	Method	TBLASTX:Soybean
Start	81	End	425
GI	none	Score	143
Exons	81..272, 82..279, 82..267, 326..421, 326..424, 339..425		

Seq. No.	47884	Seq. ID	OJ000214_09.0321.C29
Gene No.	101907	Strand	-
Start	1	End	724
Name	OJ000214_09.0321.C29.o1.tc	Method	TBLASTX:Cress
Start	85	End	541
GI	none	Score	172
Exons	85..267, 86..268, 86..271, 87..278, 326..424, 326..541, 331..459, 339..539		

Seq. No.	47885	Seq. ID	OJ000214_09.0321.C30
Gene No.	101908	Strand	-
Start	1	End	1433
Name	OJ000214_09.0321.C30.o1.np	Method	AAT/NAP
Start	1	End	1213
GI	6671947	Score	392
Exons	1..20, 330..487, 582..729, 878..958, 1165..1213		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	47885	Seq. ID	OJ000214_09.0321.C30
Gene No.	101908	Strand	-
Start	1	End	1433
Name	OJ000214_09.0321.C30.o1.gs	Method	GENSCAN
Start	310	End	1433
GI	none	Score	.75
Exons	310..487, 582..732, 878..947, 1184..1433		

Seq. No.	47885	Seq. ID	OJ000214_09.0321.C30
Gene No.	101908	Strand	-
Start	1	End	1433
Name	OJ000214_09.0321.C30.o1.ts	Method	TBLASTX:Soybean
Start	331	End	737
GI	none	Score	177
Exons	331..486, 344..487, 354..530, 354..488, 557..682, 561..737, 581..733		

Seq. No.	47885	Seq. ID	OJ000214_09.0321.C30
Gene No.	101908	Strand	-
Start	1	End	1433
Name	OJ000214_09.0321.C30.o1.tm	Method	TBLASTX:Maize
Start	409	End	950

GI	none	Score	100
Exons	409..486, 410..487, 557..682, 581..733, 582..737, 900..950		
Seq. No.	47885	Seq. ID	OJ000214_09.0321.C30
Gene No.	101908	Strand	-
Start	1	End	1433
Name	OJ000214_09.0321.C30.o1.tc	Method	TBLASTX:Cress
Start	413	End	950
GI	none	Score	82
Exons	413..487, 415..486, 421..489, 557..682, 561..716, 581..715, 894..950		
Seq. No.	47885	Seq. ID	OJ000214_09.0321.C30
Gene No.	101908	Strand	-
Start	1	End	1433
Name	OJ000214_09.0321.C30.o1.gp	Method	AAT/GAP
Start	1184	End	1377
GI	none	Score	313
Exons	1184..1377		
Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101909	Strand	+
Start	1	End	19199
Name	OJ000214_09.0321.C31.o1.np	Method	AAT/NAP
Start	1	End	19199
GI	7494472	Score	139
Exons	1..33, 7957..8106, 8353..8514, 8966..9065, 10890..10940, 15371..15498, 18105..18248, 19108..19199		
GI Descrip.	cnjB protein - Tetrahymena thermophila gi|161752|gb|AAC37171.1| (L03710) cnjB [Tetrahymena thermophila] gi|737494|prf||1922371A cnjB gene [Tetrahymena thermophila]		
Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101909	Strand	+
Start	1	End	19199
Name	OJ000214_09.0321.C31.o1.gs	Method	GENSCAN
Start	305	End	775
GI	none	Score	.53
Exons	305..435, 695..775		
Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101909	Strand	+
Start	1	End	19199
Name	OJ000214_09.0321.C31.o2.gs	Method	GENSCAN
Start	4337	End	5386
GI	none	Score	.73
Exons	4337..4391, 4597..4727, 5192..5386		
Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101909	Strand	+
Start	1	End	19199
Name	OJ000214_09.0321.C31.o3.gs	Method	GENSCAN
Start	6788	End	11398
GI	none	Score	.6
Exons	6788..7171, 7726..7836, 7918..8076, 8353..8514, 8957..9073, 9399..9623, 9988..10163, 10524..10636, 10734..11398		

Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101909	Strand	+
Start	1	End	19199
Name	OJ000214_09.0321.C31.o2.np	Method	AAT/NAP
Start	16253	End	17561
GI	5777617	Score	90
Exons	16253..16324, 17415..17561		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101910	Strand	-
Start	11836	End	12213
Name	OJ000214_09.0321.C31.o4.gs	Method	GENSCAN
Start	11836	End	12213
GI	none	Score	.72
Exons	11836..11974, 12134..12213		

Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101911	Strand	-
Start	19311	End	20722
Name	OJ000214_09.0321.C31.o2.tm	Method	TBLASTX:Maize
Start	7765	End	9579
GI	none	Score	89
Exons	7765..7836, 7765..7836, 7770..7850, 7890..8075, 7910..8077, 7918..8076, 7957..8022, 7963..8004, 8029..8073, 8343..8507, 8347..8514, 8352..8537, 8353..8514, 8362..8391, 8437..8514, 8928..9032, 8951..9073, 8959..9072, 9043..9075, 9217..9324, 9219..9311, 9223..9312, 9250..9306, 9420..9575, 9436..9579, 9468..9578		

Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101911	Strand	-
Start	19311	End	20722
Name	OJ000214_09.0321.C31.o2.ts	Method	TBLASTX:Soybean
Start	7804	End	8519
GI	none	Score	41
Exons	7804..7836, 7884..8078, 7918..8079, 8356..8517, 8358..8519		

Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101911	Strand	-
Start	19311	End	20722
Name	OJ000214_09.0321.C31.o6.tm	Method	TBLASTX:Maize
Start	9606	End	9852
GI	none	Score	129
Exons	9606..9713, 9607..9717, 9608..9718, 9663..9800, 9671..9796, 9793..9852, 9795..9839		

Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101911	Strand	-
Start	19311	End	20722
Name	OJ000214_09.0321.C31.o5.tm	Method	TBLASTX:Maize
Start	13988	End	14179
GI	none	Score	194
Exons	13988..14179, 14011..14178		

Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101911	Strand	-

Start	19311	End	20722
Name	OJ000214_09.0321.C31.o1.tm	Method	TBLASTX:Maize
Start	14915	End	20722
GI	none	Score	350
Exons	14915..15277, 14916..15383, 15301..15369, 20251..20337, 20255..20332, 20350..20721, 20534..20722		

Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101911	Strand	-
Start	19311	End	20722
Name	OJ000214_09.0321.C31.o1.tw	Method	TBLASTX:Wheat
Start	15114	End	20526
GI	none	Score	134
Exons	15114..15296, 15314..15418, 15314..15400, 15331..15417, 15433..15480, 20156..20389, 20158..20517, 20158..20526		

Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101911	Strand	-
Start	19311	End	20722
Name	OJ000214_09.0321.C31.o4.tm	Method	TBLASTX:Maize
Start	15561	End	20080
GI	none	Score	191
Exons	15561..15830, 15563..15709, 19792..19887, 19873..19926, 19882..20079, 19967..20080		

Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101911	Strand	-
Start	19311	End	20722
Name	OJ000214_09.0321.C31.o3.np	Method	AAT/NAP
Start	19311	End	20619
GI	5777617	Score	99
Exons	19311..19427, 20590..20619		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101912	Strand	
Start	20762	End	21291
Name	OJ000214_09.0321.C31.o1.ts	Method	TBLASTX:Soybean
Start	20762	End	21291
GI	none	Score	95
Exons	20762..20923, 20938..21165, 20966..21175, 21235..21291		

Seq. No.	47886	Seq. ID	OJ000214_09.0321.C31
Gene No.	101912	Strand	
Start	20762	End	21291
Name	OJ000214_09.0321.C31.o3.tm	Method	TBLASTX:Maize
Start	20887	End	21196
GI	none	Score	156
Exons	20887..21195, 20957..21196		

Seq. No.	47887	Seq. ID	OJ000214_09.0321.C32
Gene No.	101913	Strand	-
Start	1	End	1922
Name	OJ000214_09.0321.C32.o1.np	Method	AAT/NAP
Start	1	End	1922
GI	6539560	Score	246
Exons	1..21, 284..500, 605..687, 1878..1922		

GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No.	47887	Seq. ID	OJ000214_09.0321.C32
Gene No.	101913	Strand	-
Start	1	End	1922
Name	OJ000214_09.0321.C32.o1.gs	Method	GENSCAN
Start	188	End	632
GI	none	Score	.66
Exons	188..286, 330..632		

Seq. No.	47888	Seq. ID	OJ000214_09.0321.C36
Gene No.	101914	Strand	-
Start	1	End	1123
Name	OJ000214_09.0321.C36.o1.np	Method	AAT/NAP
Start	1	End	669
GI	7500137	Score	231
Exons	1..238, 368..669		

GI Descrip. hypothetical protein F29B9.4 - Caenorhabditis elegans gi|1572766|gb|AAB09116.1| (U70849) F29B9.4 gene product [Caenorhabditis elegans]

Seq. No.	47888	Seq. ID	OJ000214_09.0321.C36
Gene No.	101914	Strand	-
Start	1	End	1123
Name	OJ000214_09.0321.C36.o1.tm	Method	TBLASTX:Maize
Start	11	End	307
GI	none	Score	70
Exons	11..166, 48..191, 170..307, 183..284		

Seq. No.	47888	Seq. ID	OJ000214_09.0321.C36
Gene No.	101914	Strand	-
Start	1	End	1123
Name	OJ000214_09.0321.C36.o1.ts	Method	TBLASTX:Soybean
Start	11	End	730
GI	none	Score	75
Exons	11..166, 48..191, 158..328, 183..284, 365..445, 638..730		

Seq. No.	47888	Seq. ID	OJ000214_09.0321.C36
Gene No.	101914	Strand	-
Start	1	End	1123
Name	OJ000214_09.0321.C36.o1.gs	Method	GENSCAN
Start	29	End	1123
GI	none	Score	.49
Exons	29..1123		

Seq. No.	47889	Seq. ID	OJ000224_05.0323.C1
Gene No.	101915	Strand	+
Start	121	End	1524
Name	OJ000224_05.0323.C1.o1.gs	Method	GENSCAN
Start	121	End	1524
GI	none	Score	.99
Exons	121..1524		

Seq. No.	47889	Seq. ID	OJ000224_05.0323.C1
Gene No.	101916	Strand	+
Start	2828	End	5003
Name	OJ000224_05.0323.C1.o1.gp	Method	AAT/GAP

Start	2762	End	5003
GI	799_1.R1084	Score	1585
Exons	2762..2830, 2973..3080, 3278..3320, 3428..3623, 4521..5003		
GI Descrip.	'1172816/sp|P42795|R111_ARATH 1.0e-84 60S RIBOSOMAL PROTEIN L11A (L16A) >gi_624938_emb_CAA57395_ (X81799) ribosomal protein L16 [Arabidopsis thaliana]'		

Seq. No.	47889	Seq. ID	OJ000224_05.0323.C1
Gene No.	101916	Strand	+
Start	2828	End	5003
Name	OJ000224_05.0323.C1.o2.gs	Method	GENSCAN
Start	2828	End	4719
GI	none	Score	.94
Exons	2828..2830, 2973..3080, 3278..3320, 3428..3623, 4521..4719		

Seq. No.	47889	Seq. ID	OJ000224_05.0323.C1
Gene No.	101916	Strand	+
Start	2828	End	5003
Name	OJ000224_05.0323.C1.o2.np	Method	AAT/NAP
Start	2970	End	4716
GI	7340874	Score	828
Exons	2970..3080, 3278..3320, 3428..3623, 4521..4716		
GI Descrip.	(AP001551) ESTs D15590(C0900),D48950(S15542),D22684(C0900) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana 60S ribosomal protein L11A (L16A).. (P42795) [Oryza sativa]		

Seq. No.	47889	Seq. ID	OJ000224_05.0323.C1
Gene No.	101917	Strand	-
Start	6150	End	6453
Name	OJ000224_05.0323.C1.o2.ts	Method	TBLASTX:Soybean
Start	613	End	1413
GI	none	Score	166
Exons	613..888, 904..1053, 1054..1413, 1093..1200, 1093..1329, 1093..1329, 1096..1377, 1111..1266		

Seq. No.	47889	Seq. ID	OJ000224_05.0323.C1
Gene No.	101917	Strand	-
Start	6150	End	6453
Name	OJ000224_05.0323.C1.o1.tw	Method	TBLASTX:Wheat
Start	2970	End	4832
GI	none	Score	164
Exons	2970..3095, 2978..3082, 3256..3330, 3273..3320, 3278..3325, 3403..3630, 3426..3629, 3427..3630, 4509..4703, 4519..4710, 4521..4706, 4550..4720, 4800..4832		

Seq. No.	47889	Seq. ID	OJ000224_05.0323.C1
Gene No.	101917	Strand	-
Start	6150	End	6453
Name	OJ000224_05.0323.C1.o1.tc	Method	TBLASTX:Cress
Start	2972	End	4557
GI	none	Score	167
Exons	2972..3082, 2973..3095, 3252..3320, 3256..3330, 3278..3325, 3402..3629, 3403..3666, 3421..3630, 4519..4557		

Seq. No.	47889	Seq. ID	OJ000224_05.0323.C1
Gene No.	101917	Strand	-

Start	6150	End	6453
Name	OJ000224_05.0323.C1.o1.ts	Method	TBLASTX:Soybean
Start	2972	End	4718
GI	none	Score	167
Exons	2972..3082, 2973..3095, 3272..3316, 3273..3320, 3277..3330, 3278..3325, 3402..3629, 3403..3630, 3430..3660, 4507..4704, 4518..4718, 4602..4706		

Seq. No.	47889	Seq. ID	OJ000224_05.0323.C1
Gene No.	101917	Strand	-
Start	6150	End	6453
Name	OJ000224_05.0323.C1.o1.tm	Method	TBLASTX:Maize
Start	3421	End	3627
GI	none	Score	335
Exons	3421..3627, 3424..3624		

Seq. No.	47889	Seq. ID	OJ000224_05.0323.C1
Gene No.	101917	Strand	-
Start	6150	End	6453
Name	OJ000224_05.0323.C1.o2.tm	Method	TBLASTX:Maize
Start	4506	End	4845
GI	none	Score	278
Exons	4506..4745, 4507..4713, 4517..4726, 4780..4824, 4786..4845		

Seq. No.	47889	Seq. ID	OJ000224_05.0323.C1
Gene No.	101917	Strand	-
Start	6150	End	6453
Name	OJ000224_05.0323.C1.o2.gp	Method	AAT/GAP
Start	6009	End	6375
GI	34370_1.R1084	Score	708
Exons	6009..6375		
GI Descrip.	'4895189/gb|AAD32776.1|AC007661_13 1.0e-08 (AC007661) unknown protein [Arabidopsis thaliana]'		

Seq. No.	47889	Seq. ID	OJ000224_05.0323.C1
Gene No.	101917	Strand	-
Start	6150	End	6453
Name	OJ000224_05.0323.C1.o3.gs	Method	GENSCAN
Start	6150	End	6453
GI	none	Score	.85
Exons	6150..6453		

Seq. No.	47890	Seq. ID	OJ000224_05.0323.C2
Gene No.	101918	Strand	+
Start	2517	End	2893
Name	OJ000224_05.0323.C2.o1.gp	Method	AAT/GAP
Start	2517	End	2893
GI	34370_1.R1084	Score	719
Exons	2517..2893		
GI Descrip.	'4895189/gb|AAD32776.1|AC007661_13 1.0e-08 (AC007661) unknown protein [Arabidopsis thaliana]'		

Seq. No.	47890	Seq. ID	OJ000224_05.0323.C2
Gene No.	101919	Strand	-
Start	2521	End	3988
Name	OJ000224_05.0323.C2.o1.np	Method	AAT/NAP
Start	2521	End	3988

GI	7485473	Score	102
Exons	2521..2751, 3117..3217, 3957..3988		
GI Descrip.	hypothetical protein F13P17.4 - Arabidopsis thaliana gi|3337351|gb|AAC27396.1| (AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47890	Seq. ID	OJ000224_05.0323.C2
Gene No.	101920	Strand	-
Start	4388	End	6170
Name	OJ000224_05.0323.C2.o2.gs	Method	GENSCAN
Start	4388	End	5945
GI	none	Score	.84
Exons	4388..4690, 4821..4922, 5712..5807, 5895..5945		

Seq. No.	47890	Seq. ID	OJ000224_05.0323.C2
Gene No.	101920	Strand	-
Start	4388	End	6170
Name	OJ000224_05.0323.C2.o1.tw	Method	TBLASTX:Wheat
Start	4569	End	5915
GI	none	Score	72
Exons	4569..4694, 4598..4702, 4611..4712, 4612..4710, 4803..4922, 4819..4932, 4828..4932, 5429..5518, 5442..5525, 5446..5526, 5691..5813, 5710..5808, 5712..5810, 5889..5915		

Seq. No.	47890	Seq. ID	OJ000224_05.0323.C2
Gene No.	101920	Strand	-
Start	4388	End	6170
Name	OJ000224_05.0323.C2.o2.np	Method	AAT/NAP
Start	4620	End	6170
GI	7340876	Score	686
Exons	4620..4709, 4821..4922, 5445..5525, 5709..5807, 5895..5945, 6059..6170		
GI Descrip.	(AP001551) ESTs AU032448(S10057),C22614(S10057) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana ASK etha gene. (Y08947) [Oryza sativa]		

Seq. No.	47890	Seq. ID	OJ000224_05.0323.C2
Gene No.	101920	Strand	-
Start	4388	End	6170
Name	OJ000224_05.0323.C2.o2.gp	Method	AAT/GAP
Start	4622	End	5152
GI	uC-osflcyp101b07a1	Score	820
Exons	4622..4709, 4821..5152		
GI Descrip.	'4539390/emb|CAB37456.1| 3.0e-22 (AL035526) shaggy-like protein kinase etha (EC 2.7.1.-) [Arabidopsis thaliana]'		

Seq. No.	47890	Seq. ID	OJ000224_05.0323.C2
Gene No.	101920	Strand	-
Start	4388	End	6170
Name	OJ000224_05.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	4633	End	6169
GI	none	Score	53
Exons	4633..4707, 4650..4709, 4653..4712, 4809..4922, 4817..4921, 4819..4935, 4825..4932, 5442..5525, 5445..5519, 5446..5526, 5691..5813, 5713..5808, 5889..5945, 5895..5954, 6049..6147, 6059..6169, 6063..6161		

Seq. No.	47890	Seq. ID	OJ000224_05.0323.C2
Gene No.	101920	Strand	-
Start	4388	End	6170
Name	OJ000224_05.0323.C2.o1.tc	Method	TBLASTX:Cress
Start	4635	End	6169
GI	none	Score	161
Exons	4635..4712, 4815..4922, 4822..4932, 5422..5514, 5442..5525, 5443..5526, 5691..5813, 5710..5808, 5889..5945, 6059..6169, 6063..6158		

Seq. No.	47890	Seq. ID	OJ000224_05.0323.C2
Gene No.	101920	Strand	-
Start	4388	End	6170
Name	OJ000224_05.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	4635	End	6169
GI	none	Score	65
Exons	4635..4712, 4808..4915, 4815..4922, 4822..4932, 4825..4932, 5442..5525, 5443..5526, 5691..5813, 5710..5808, 5889..5945, 6059..6169, 6063..6161		

Seq. No.	47891	Seq. ID	OJ000224_05.0323.C3
Gene No.	101921	Strand	+
Start	276	End	2353
Name	OJ000224_05.0323.C3.o1.gp	Method	AAT/GAP
Start	276	End	827
GI	21017_1.R1084	Score	970
Exons	276..827		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 2.0e-22 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	47891	Seq. ID	OJ000224_05.0323.C3
Gene No.	101921	Strand	+
Start	276	End	2353
Name	OJ000224_05.0323.C3.o1.gs	Method	GENSCAN
Start	602	End	2353
GI	none	Score	.59
Exons	602..691, 1128..1256, 2222..2353		

Seq. No.	47891	Seq. ID	OJ000224_05.0323.C3
Gene No.	101922	Strand	+
Start	8304	End	8532
Name	OJ000224_05.0323.C3.o3.gs	Method	GENSCAN
Start	8304	End	8532
GI	none	Score	.55
Exons	8304..8532		

Seq. No.	47891	Seq. ID	OJ000224_05.0323.C3
Gene No.	101923	Strand	-
Start	2870	End	3922
Name	OJ000224_05.0323.C3.o1.tm	Method	TBLASTX:Maize
Start	1124	End	1364
GI	none	Score	111
Exons	1124..1210, 1125..1280, 1125..1277, 1266..1364, 1266..1346		

Seq. No.	47891	Seq. ID	OJ000224_05.0323.C3
Gene No.	101923	Strand	-
Start	2870	End	3922

Name	OJ000224_05.0323.C3.o2.gs	Method	GENSCAN
Start	2870	End	3922
GI	none	Score	.75
Exons	2870..3073, 3920..3922		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101924	Strand	+
Start	3332	End	7296
Name	OJ000224_05.0323.C4.o1.gs	Method	GENSCAN
Start	3332	End	7296
GI	none	Score	.49
Exons	3332..3351, 4251..4333, 5055..5444, 7157..7296		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101925	Strand	+
Start	10536	End	11936
Name	OJ000224_05.0323.C4.o1.np	Method	AAT/NAP
Start	10536	End	11933
GI	7340882	Score	1347
Exons	10536..11933		
GI Descrip.	(AP001551) ESTs AU056183(S20356),AU056881(S20950) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome 4 BAC clone F6I18 ; putative protein kinase. (AL022198) [Oryza sativa]		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101925	Strand	+
Start	10536	End	11936
Name	OJ000224_05.0323.C4.o2.gs	Method	GENSCAN
Start	10536	End	11936
GI	none	Score	.88
Exons	10536..11936		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101926	Strand	-
Start	12442	End	13554
Name	OJ000224_05.0323.C4:o3.tw	Method	TBLASTX:Wheat
Start	5277	End	10817
GI	none	Score	141
Exons	5277..5342, 10526..10672, 10527..10739, 10646..10816, 10746..10817		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101926	Strand	-
Start	12442	End	13554
Name	OJ000224_05.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	10529	End	11858
GI	none	Score	186
Exons	10529..10690, 10533..10691, 10689..10745, 10695..10742, 10745..10819, 10746..10820, 10875..10976, 10889..10966, 11004..11375, 11018..11371, 11217..11375, 11218..11376, 11436..11519, 11462..11509, 11541..11642, 11558..11611, 11672..11854, 11676..11858		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101926	Strand	-
Start	12442	End	13554

Name	OJ000224_05.0323.C4.o1.tc	Method	TBLASTX:Cress
Start	10535	End	11843
GI	none	Score	166
Exons	10535..10690, 10536..10691, 10695..10742, 10746..10820, 10751..10819, 10875..10976, 10889..10966, 11004..11372, 11018..11371, 11460..11519, 11462..11518, 11721..11843		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101926	Strand	-
Start	12442	End	13554
Name	OJ000224_05.0323.C4.o1.ts	Method	TBLASTX:Soybean
Start	10551	End	11852
GI	none	Score	147
Exons	10551..10691, 10568..10690, 10746..10820, 10751..10819, 10875..10976, 10892..11056, 11004..11426, 11015..11368, 11217..11423, 11454..11507, 11460..11519, 11465..11527, 11559..11651, 11669..11845, 11676..11852		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101926	Strand	-
Start	12442	End	13554
Name	OJ000224_05.0323.C4.o2.tw	Method	TBLASTX:Wheat
Start	11166	End	11423
GI	none	Score	234
Exons	11166..11423, 11171..11377, 11220..11423		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101926	Strand	-
Start	12442	End	13554
Name	OJ000224_05.0323.C4.o3.gs	Method	GENSCAN
Start	12442	End	13542
GI	none	Score	.66
Exons	12442..12564, 13328..13542		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101926	Strand	-
Start	12442	End	13554
Name	OJ000224_05.0323.C4.o1.gp	Method	AAT/GAP
Start	12870	End	13481
GI	762_2.R1084	Score	969
Exons	12870..13236, 13328..13481		
GI Descrip.	'2130089/pir||S65042 2.0e-31 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101926	Strand	-
Start	12442	End	13554
Name	OJ000224_05.0323.C4.o2.tm	Method	TBLASTX:Maize
Start	12875	End	13544
GI	none	Score	65
Exons	12875..12931, 12890..12955, 12934..12960, 12938..12961, 12972..13019, 12997..13017, 13073..13111, 13074..13100, 13110..13145, 13180..13242, 13181..13243, 13317..13544, 13325..13507, 13332..13541, 13333..13542		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101926	Strand	-
Start	12442	End	13554
Name	OJ000224_05.0323.C4.o1.tw	Method	TBLASTX:Wheat
Start	13071	End	13547
GI	none	Score	52
Exons	13071..13127, 13077..13127, 13156..13242, 13160..13243, 13282..13539, 13320..13547, 13325..13507		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101926	Strand	-
Start	12442	End	13554
Name	OJ000224_05.0323.C4.o2.ts	Method	TBLASTX:Soybean
Start	13156	End	13486
GI	none	Score	216
Exons	13156..13242, 13317..13484, 13325..13486, 13325..13486		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101926	Strand	-
Start	12442	End	13554
Name	OJ000224_05.0323.C4.o2.tc	Method	TBLASTX:Cress
Start	13175	End	13544
GI	none	Score	65
Exons	13175..13237, 13177..13242, 13178..13243, 13317..13535, 13325..13504, 13341..13505, 13504..13542, 13506..13544		

Seq. No.	47892	Seq. ID	OJ000224_05.0323.C4
Gene No.	101926	Strand	-
Start	12442	End	13554
Name	OJ000224_05.0323.C4.o2.np	Method	AAT/NAP
Start	13183	End	13554
GI	2130089	Score	391
Exons	13183..13236, 13328..13554		
GI Descrip.	2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet gi|1100743|dbj|BAA08105| (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]		

Seq. No.	47893	Seq. ID	OJ000224_05.0323.C5
Gene No.	101927	Strand	-
Start	1	End	2729
Name	OJ000224_05.0323.C5.o1.np	Method	AAT/NAP
Start	1	End	2729
GI	2130090	Score	696
Exons	1..374, 1553..1614, 1915..2036, 2675..2729		
GI Descrip.	2-oxoglutarate/malate translocator (clones OMT134 and OMT106), mitochondrial membrane - proso millet gi|1100739|dbj|BAA08103.1| (D45073) 2-oxoglutarate/malate translocator [Panicum miliaceum] gi|1100741|dbj|BAA08104.1| (D45074) 2-oxoglutarate/malate translocator [Panicum miliaceum]		

Seq. No.	47893	Seq. ID	OJ000224_05.0323.C5
Gene No.	101927	Strand	-
Start	1	End	2729
Name	OJ000224_05.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	4	End	2001
GI	none	Score	152
Exons	4..258, 11..379, 19..258, 20..361, 87..380, 189..386,		

1546..1629, 1553..1615, 1907..1999, 1915..2001

Seq. No.	47893	Seq. ID	OJ000224_05.0323.C5
Gene No.	101927	Strand	-
Start	1	End	2729
Name	OJ000224_05.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	11	End	2001
GI	none	Score	100
Exons	11..142, 23..142, 87..143, 143..379, 144..380, 276..386, 1546..1617, 1547..1615, 1902..1979, 1903..2001, 1913..1999, 1915..2001		

Seq. No.	47893	Seq. ID	OJ000224_05.0323.C5
Gene No.	101927	Strand	-
Start	1	End	2729
Name	OJ000224_05.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	11	End	2000
GI	none	Score	416
Exons	11..379, 87..377, 186..386, 1538..1615, 1552..1617, 1907..1999, 1914..2000, 1914..1985, 1915..1998		

Seq. No.	47893	Seq. ID	OJ000224_05.0323.C5
Gene No.	101927	Strand	-
Start	1	End	2729
Name	OJ000224_05.0323.C5.o1.gs	Method	GENSCAN
Start	13	End	2528
GI	none	Score	.9
Exons	13..374, 1868..1998, 2397..2528		

Seq. No.	47893	Seq. ID	OJ000224_05.0323.C5
Gene No.	101927	Strand	-
Start	1	End	2729
Name	OJ000224_05.0323.C5.o2.gp	Method	AAT/GAP
Start	1539	End	1998
GI	762_1.R1084	Score	227
Exons	1539..1614, 1915..1998		
GI Descrip.	'2130089/pir||S65042 1.0e-152 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'		

Seq. No.	47893	Seq. ID	OJ000224_05.0323.C5
Gene No.	101927	Strand	-
Start	1	End	2729
Name	OJ000224_05.0323.C5.o1.gp	Method	AAT/GAP
Start	1549	End	1998
GI	762_1.R1084	Score	247
Exons	1549..1614, 1915..1998		
GI Descrip.	'2130089/pir||S65042 1.0e-152 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'		

Seq. No.	47894	Seq. ID	OJ000224_05.0323.C9
Gene No.	101928	Strand	+
Start	1	End	1337
Name	OJ000224_05.0323.C9.o1.np	Method	AAT/NAP

Start	1	End	1337
GI	7487082	Score	264
Exons	1..64, 763..887, 1045..1240, 1319..1337		
GI Descrip.	hypothetical protein T16L1.110 - Arabidopsis thaliana gi|3549664|emb|CAA20575.1| (AL031394) putative protein [Arabidopsis thaliana] gi|7270310|emb|CAB80079.1| (AL161583) putative protein [Arabidopsis thaliana]		

Seq. No.	47894	Seq. ID	OJ000224_05.0323.C9
Gene No.	101928	Strand	+
Start	1	End	1337
Name	OJ000224_05.0323.C9.o1.gs	Method	GENSCAN
Start	794	End	1245
GI	none	Score	.51
Exons	794..887, 1045..1245		

Seq. No.	47894	Seq. ID	OJ000224_05.0323.C9
Gene No.	101928	Strand	+
Start	1	End	1337
Name	OJ000224_05.0323.C9.o1.ts	Method	TBLASTX:Soybean
Start	823	End	1243
GI	none	Score	77
Exons	823..888, 1043..1243, 1046..1240		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101929	Strand	+
Start	1951	End	11561
Name	OJ000224_05.0323.C12.o1.np	Method	AAT/NAP
Start	1951	End	9964
GI	3776574	Score	695
Exons	1951..1975, 5788..6031, 6448..6606, 8760..9001, 9158..9290, 9713..9964		
GI Descrip.	(AC005388) Similar to T11J7.13 gi|2880051 putative protein kinase from Arabidopsis thaliana BAC gb|AC002340		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101929	Strand	+
Start	1951	End	11561
Name	OJ000224_05.0323.C12.o2.gs	Method	GENSCAN
Start	4196	End	11561
GI	none	Score	.52
Exons	4196..4354, 4754..4959, 5494..6025, 6448..6583, 8608..9001, 9158..9290, 9713..9822, 9914..9978, 11365..11561		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101929	Strand	+
Start	1951	End	11561
Name	OJ000224_05.0323.C12.o1.gp	Method	AAT/GAP
Start	5427	End	5697
GI	5004249	Score	534
Exons	5427..5697		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101930	Strand	+
Start	13256	End	13849
Name	OJ000224_05.0323.C12.o3.gs	Method	GENSCAN
Start	13256	End	13849

GI	none	Score	.48
Exons	13256..13325, 13602..13649, 13758..13849		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101931	Strand	+
Start	15987	End	17438
Name	OJ000224_05.0323.C12.o4.gs	Method	GENSCAN
Start	15987	End	17115
GI	none	Score	.95
Exons	15987..16061, 16153..16254, 16690..16749, 16843..17115		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101931	Strand	+
Start	15987	End	17438
Name	OJ000224_05.0323.C12.o3.np	Method	AAT/NAP
Start	15990	End	17438
GI	7340876	Score	781
Exons	15990..16086, 16171..16254, 16690..16749, 16843..17115, 17201..17275, 17357..17438		
GI Descrip.	(AP001551) ESTs AU032448(S10057),C22614(S10057) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana ASK etha gene. (Y08947) [Oryza sativa]		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101931	Strand	+
Start	15987	End	17438
Name	OJ000224_05.0323.C12.o4.gp	Method	AAT/GAP
Start	16905	End	17294
GI	3342153	Score	518
Exons	16905..17115, 17201..17294		
GI Descrip.	1480078/emb|CAA68027| 2.0e-42 (X99696) shaggy-like protein kinase iota [Arabidopsis thaliana] >gi_2444277_gb_AAB71545.1_ (AF019927) GSK3/shaggy-like protein kinase [Arabidopsis thaliana]		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101932	Strand	-
Start	10305	End	13543
Name	OJ000224_05.0323.C12.o2.np	Method	AAT/NAP
Start	10305	End	13543
GI	5852093	Score	56
Exons	10305..10455, 12031..12177, 13523..13543		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101933	Strand	-
Start	14043	End	14123
Name	OJ000224_05.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	8751	End	9277
GI	none	Score	212
Exons	8751..8933, 8955..9002, 9179..9277, 9180..9272		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101933	Strand	-
Start	14043	End	14123
Name	OJ000224_05.0323.C12.o2.tc	Method	TBLASTX:Cress
Start	8763	End	9904

GI	none	Score	243
Exons	8763..9002, 8768..8824, 8906..9004, 9158..9295, 9159..9296, 9361..9390, 9719..9904		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101933	Strand	-
Start	14043	End	14123
Name	OJ000224_05.0323.C12.o2.ts	Method	TBLASTX:Soybean
Start	8766	End	9916
GI	none	Score	290
Exons	8766..9002, 8768..8851, 8906..9007, 9155..9235, 9158..9283, 9159..9326, 9713..9916		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101933	Strand	-
Start	14043	End	14123
Name	OJ000224_05.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	8832	End	10005
GI	none	Score	283
Exons	8832..9005, 8834..9007, 8835..9002, 9158..9289, 9159..9290, 9713..9958, 9713..9949, 9949..10005		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101933	Strand	-
Start	14043	End	14123
Name	OJ000224_05.0323.C12.o3.gp	Method	AAT/GAP
Start	14043	End	14123
GI	38012_1.R1084	Score	99
Exons	14043..14123		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101934	Strand	
Start	15984	End	17416
Name	OJ000224_05.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	15984	End	17230
GI	none	Score	69
Exons	15984..16052, 16168..16254, 16182..16259, 16665..16745, 16687..16749, 16808..17113, 16839..17117, 16842..17114, 16843..17118, 16889..17131, 17186..17230		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101934	Strand	
Start	15984	End	17416
Name	OJ000224_05.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	16153	End	17416
GI	none	Score	110
Exons	16153..16254, 16185..16259, 16665..16745, 16687..16749, 16839..17111, 16840..17118, 16841..17116, 16843..17118, 17186..17278, 17351..17416		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101934	Strand	
Start	15984	End	17416
Name	OJ000224_05.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	16159	End	17416

GI	none	Score	127
Exons	16159..16254, 16161..16259, 16665..16748, 16687..16749, 16842..17114, 16843..17118, 17186..17278, 17206..17277, 17356..17415, 17357..17416		

Seq. No.	47895	Seq. ID	OJ000224_05.0323.C12
Gene No.	101934	Strand	
Start	15984	End	17416
Name	OJ000224_05.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	16182	End	17416
GI	none	Score	117
Exons	16182..16247, 16183..16254, 16687..16749, 16689..16745, 16839..17117, 16842..17114, 16843..17118, 17186..17278, 17200..17277, 17351..17416, 17356..17415		

Seq. No.	47896	Seq. ID	OJ000224_04.0321.C2
Gene No.	101935	Strand	+
Start	36	End	3939
Name	OJ000224_04.0321.C2.o1.gs	Method	GENSCAN
Start	36	End	3939
GI	none	Score	.47
Exons	36..65, 465..570, 2562..2595, 3121..3177, 3601..3703, 3928..3939		

Seq. No.	47896	Seq. ID	OJ000224_04.0321.C2
Gene No.	101936	Strand	+
Start	4412	End	4978
Name	OJ000224_04.0321.C2.o2.gs	Method	GENSCAN
Start	4412	End	4978
GI	none	Score	.95
Exons	4412..4978		

Seq. No.	47896	Seq. ID	OJ000224_04.0321.C2
Gene No.	101937	Strand	-
Start	3464	End	4901
Name	OJ000224_04.0321.C2.o1.np	Method	AAT/NAP
Start	3464	End	4901
GI	4056497	Score	49
Exons	3464..3771, 4421..4497, 4845..4901		
GI Descrip.	(AC005896) putative histone H2B [Arabidopsis thaliana]		

Seq. No.	47897	Seq. ID	OJ000224_04.0321.C3
Gene No.	101938	Strand	+
Start	66	End	722
Name	OJ000224_04.0321.C3.o1.gs	Method	GENSCAN
Start	66	End	722
GI	none	Score	.86
Exons	66..722		

Seq. No.	47897	Seq. ID	OJ000224_04.0321.C3
Gene No.	101939	Strand	+
Start	2330	End	2447
Name	OJ000224_04.0321.C3.o1.gp	Method	AAT/GAP
Start	2330	End	2447
GI	2311008	Score	142
Exons	2330..2447		

Seq. No.	47897	Seq. ID	OJ000224_04.0321.C3

Gene No.	101940	Strand	
Start	6203	End	6733
Name	OJ000224_04.0321.C3.o1.ts	Method	TBLASTX:Soybean
Start	6203	End	6678
GI	none	Score	183
Exons	6203..6295, 6364..6678		

Seq. No.	47897	Seq. ID	OJ000224_04.0321.C3
Gene No.	101940	Strand	
Start	6203	End	6733
Name	OJ000224_04.0321.C3.o1.tw	Method	TBLASTX:Wheat
Start	6260	End	6654
GI	none	Score	133
Exons	6260..6364, 6373..6654		

Seq. No.	47897	Seq. ID	OJ000224_04.0321.C3
Gene No.	101940	Strand	
Start	6203	End	6733
Name	OJ000224_04.0321.C3.o1.tm	Method	TBLASTX:Maize
Start	6455	End	6733
GI	none	Score	47
Exons	6455..6553, 6457..6732, 6614..6733		

Seq. No.	47898	Seq. ID	OJ000224_04.0321.C4
Gene No.	101941	Strand	-
Start	1	End	1145
Name	OJ000224_04.0321.C4.o1.np	Method	AAT/NAP
Start	1	End	1145
GI	7484649	Score	367
Exons	1..1145		
GI Descrip.	reverse transcriptase - beet retrotransposon (fragment) gi|2462134|emb|CAA73798.1| (Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	47898	Seq. ID	OJ000224_04.0321.C4
Gene No.	101941	Strand	-
Start	1	End	1145
Name	OJ000224_04.0321.C4.o1.gs	Method	GENSCAN
Start	474	End	958
GI	none	Score	1
Exons	474..958		

Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101942	Strand	+
Start	261	End	1198
Name	OJ000224_04.0321.C5.o1.gs	Method	GENSCAN
Start	261	End	1198
GI	none	Score	.59
Exons	261..404, 444..596, 787..976, 981..1198		

Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101943	Strand	+
Start	1556	End	10131
Name	OJ000224_04.0321.C5.o3.np	Method	AAT/NAP
Start	1556	End	9381
GI	7228457	Score	1880
Exons	1556..1578, 4390..5926, 5981..7642, 7709..7912, 9361..9381		

GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101943	Strand	+
Start	1556	End	10131
Name	OJ000224_04.0321.C5.o1.np	Method	AAT/NAP
Start	2430	End	4511
GI	7523517	Score	348
Exons	2430..2724, 2875..3014, 4469..4511		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101943	Strand	+
Start	1556	End	10131
Name	OJ000224_04.0321.C5.o2.np	Method	AAT/NAP
Start	2861	End	10131
GI	7228457	Score	1876
Exons	2861..2907, 4401..5926, 5981..7642, 7709..7912, 9633..9725, 10084..10131		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101943	Strand	+
Start	1556	End	10131
Name	OJ000224_04.0321.C5.o3.gs	Method	GENSCAN
Start	2931	End	8384
GI	none	Score	.55
Exons	2931..3297, 3369..3511, 3538..3938, 3981..4243, 4732..5120, 5179..5587, 5705..5946, 6115..6549, 6626..8042, 8047..8384		
Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101944	Strand	-
Start	1274	End	2041
Name	OJ000224_04.0321.C5.o2.gs	Method	GENSCAN
Start	1274	End	2041
GI	none	Score	.77
Exons	1274..1301, 1637..1767, 1967..2041		
Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101945	Strand	-
Start	8995	End	12093
Name	OJ000224_04.0321.C5.o5.tw	Method	TBLASTX:Wheat
Start	4399	End	4758
GI	none	Score	65
Exons	4399..4449, 4450..4563, 4461..4511, 4522..4758, 4569..4748		
Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101945	Strand	-
Start	8995	End	12093
Name	OJ000224_04.0321.C5.o4.tm	Method	TBLASTX:Maize
Start	4444	End	4683
GI	none	Score	183
Exons	4444..4683		

Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101945	Strand	-
Start	8995	End	12093
Name	OJ000224_04.0321.C5.o3.tw	Method	TBLASTX:Wheat
Start	5422	End	5871
GI	none	Score	151
Exons	5422..5604, 5430..5603, 5641..5871, 5653..5862		

Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101945	Strand	-
Start	8995	End	12093
Name	OJ000224_04.0321.C5.o1.tw	Method	TBLASTX:Wheat
Start	6070	End	6528
GI	none	Score	165
Exons	6070..6243, 6078..6233, 6223..6528, 6264..6527		

Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101945	Strand	-
Start	8995	End	12093
Name	OJ000224_04.0321.C5.o1.tm	Method	TBLASTX:Maize
Start	6217	End	6552
GI	none	Score	385
Exons	6217..6552, 6256..6492, 6264..6530		

Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101945	Strand	-
Start	8995	End	12093
Name	OJ000224_04.0321.C5.o2.tm	Method	TBLASTX:Maize
Start	6626	End	6970
GI	none	Score	310
Exons	6626..6970, 6654..6716, 6754..6969		

Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101945	Strand	-
Start	8995	End	12093
Name	OJ000224_04.0321.C5.o2.tw	Method	TBLASTX:Wheat
Start	6644	End	7068
GI	none	Score	444
Exons	6644..7057, 6647..7036, 6754..7068		

Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101945	Strand	-
Start	8995	End	12093
Name	OJ000224_04.0321.C5.o1.ts	Method	TBLASTX:Soybean
Start	6698	End	7123
GI	none	Score	287
Exons	6698..7123, 6757..6882		

Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101945	Strand	-
Start	8995	End	12093
Name	OJ000224_04.0321.C5.o6.tw	Method	TBLASTX:Wheat
Start	7073	End	7336
GI	none	Score	61
Exons	7073..7141, 7145..7336		

Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101945	Strand	-
Start	8995	End	12093
Name	OJ000224_04.0321.C5.o4.tw	Method	TBLASTX:Wheat
Start	7337	End	7726
GI	none	Score	80
Exons	7337..7441, 7442..7591, 7585..7716, 7592..7726, 7595..7726		

Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101945	Strand	-
Start	8995	End	12093
Name	OJ000224_04.0321.C5.o3.tm	Method	TBLASTX:Maize
Start	8079	End	8336
GI	none	Score	140
Exons	8079..8252, 8135..8221, 8246..8302, 8253..8336		

Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101945	Strand	-
Start	8995	End	12093
Name	OJ000224_04.0321.C5.o4.gs	Method	GENSCAN
Start	8995	End	12093
GI	none	Score	.48
Exons	8995..9465, 9673..9769, 10038..10527, 10576..10673, 10747..10805, 10871..11062, 11130..11296, 11419..11587, 11699..11795, 11953..12093		

Seq. No.	47899	Seq. ID	OJ000224_04.0321.C5
Gene No.	101945	Strand	-
Start	8995	End	12093
Name	OJ000224_04.0321.C5.o4.np	Method	AAT/NAP
Start	9909	End	11126
GI	6721561	Score	1198
Exons	9909..10673, 10747..10805, 10871..11126		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47900	Seq. ID	OJ000224_04.0321.C6
Gene No.	101946	Strand	+
Start	24	End	3977
Name	OJ000224_04.0321.C6.o1.np	Method	AAT/NAP
Start	24	End	2109
GI	7523517	Score	363
Exons	24..320, 471..519, 2056..2109		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47900	Seq. ID	OJ000224_04.0321.C6
Gene No.	101946	Strand	+
Start	24	End	3977
Name	OJ000224_04.0321.C6.o1.gs	Method	GENSCAN
Start	465	End	3977
GI	none	Score	.74
Exons	465..510, 807..869, 2646..2676, 3314..3977		

Seq. No.	47900	Seq. ID	OJ000224_04.0321.C6

Gene No.	101947	Strand	-
Start	7794	End	8250
Name	OJ000224_04.0321.C6.o3.gs	Method	GENSCAN
Start	7794	End	8250
GI	none	Score	.82
Exons	7794..7882, 7988..8112, 8156..8250		

Seq. No.	47901	Seq. ID	OJ000224_04.0321.C8
Gene No.	101948	Strand	+
Start	2924	End	3235
Name	OJ000224_04.0321.C8.o2.gs	Method	GENSCAN
Start	2924	End	3235
GI	none	Score	.49
Exons	2924..3235		

Seq. No.	47901	Seq. ID	OJ000224_04.0321.C8
Gene No.	101949	Strand	+
Start	3243	End	3376
Name	OJ000224_04.0321.C8.o1.np	Method	AAT/NAP
Start	3243	End	3376
GI	5922620	Score	168
Exons	3243..3376		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47901	Seq. ID	OJ000224_04.0321.C8
Gene No.	101950	Strand	+
Start	3557	End	4723
Name	OJ000224_04.0321.C8.o3.gs	Method	GENSCAN
Start	3557	End	4394
GI	none	Score	.87
Exons	3557..3604, 3628..3828, 3874..3898, 4216..4394		

Seq. No.	47901	Seq. ID	OJ000224_04.0321.C8
Gene No.	101950	Strand	+
Start	3557	End	4723
Name	OJ000224_04.0321.C8.o3.np	Method	AAT/NAP
Start	3653	End	4723
GI	5922620	Score	367
Exons	3653..3869, 4216..4301, 4532..4723		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47901	Seq. ID	OJ000224_04.0321.C8
Gene No.	101951	Strand	-
Start	644	End	1780
Name	OJ000224_04.0321.C8.o1.gs	Method	GENSCAN
Start	644	End	1780
GI	none	Score	.72
Exons	644..756, 976..1169, 1686..1780		

Seq. No.	47901	Seq. ID	OJ000224_04.0321.C8
Gene No.	101952	Strand	-
Start	3515	End	4723
Name	OJ000224_04.0321.C8.o2.np	Method	AAT/NAP
Start	3515	End	4723
GI	6630699	Score	75
Exons	3515..3593, 4706..4723		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47902	Seq. ID	OJ000224_04.0321.C10
Gene No.	101953	Strand	+
Start	103	End	462
Name	OJ000224_04.0321.C10.o1.gp	Method	AAT/GAP
Start	103	End	462
GI	2309883	Score	470
Exons	103..462		
GI Descrip.	2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds		

Seq. No.	47902	Seq. ID	OJ000224_04.0321.C10
Gene No.	101954	Strand	+
Start	2003	End	4923
Name	OJ000224_04.0321.C10.o1.gs	Method	GENSCAN
Start	2003	End	4923
GI	none	Score	.9
Exons	2003..3801, 4310..4486, 4815..4923		

Seq. No.	47902	Seq. ID	OJ000224_04.0321.C10
Gene No.	101954	Strand	+
Start	2003	End	4923
Name	OJ000224_04.0321.C10.o1.np	Method	AAT/NAP
Start	2117	End	3976
GI	7484783	Score	1094
Exons	2117..2165, 2214..2625, 2653..3044, 3074..3976		
GI Descrip.	ABC-type transport protein F14M19.30 - Arabidopsis thaliana gi|4539293|emb|CAB39596.1| (AL049480) putative membrane transporter [Arabidopsis thaliana] gi|7269425|emb|CAB81385.1| (AL161563) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	47902	Seq. ID	OJ000224_04.0321.C10
Gene No.	101954	Strand	+
Start	2003	End	4923
Name	OJ000224_04.0321.C10.o2.gp	Method	AAT/GAP
Start	3311	End	4126
GI	48137_1.R1084	Score	1588
Exons	3311..4126		
GI Descrip.	'4539293/emb|CAB39596.1| 9.0e-54 (AL049480) putative membrane transporter [Arabidopsis thaliana]'		

Seq. No.	47902	Seq. ID	OJ000224_04.0321.C10
Gene No.	101955	Strand	+
Start	5437	End	5998
Name	OJ000224_04.0321.C10.o1.ts	Method	TBLASTX:Soybean
Start	2252	End	2908

GI	none	Score	90
Exons	2252..2362, 2450..2620, 2669..2779, 2825..2908		

Seq. No.	47902	Seq. ID	OJ000224_04.0321.C10
Gene No.	101955	Strand	+
Start	5437	End	5998
Name	OJ000224_04.0321.C10.o2.tm	Method	TBLASTX:Maize
Start	2452	End	2974
GI	none	Score	63
Exons	2452..2532, 2453..2620, 2455..2586, 2669..2974		

Seq. No.	47902	Seq. ID	OJ000224_04.0321.C10
Gene No.	101955	Strand	+
Start	5437	End	5998
Name	OJ000224_04.0321.C10.o2.tc	Method	TBLASTX:Cress
Start	2687	End	3007
GI	none	Score	246
Exons	2687..3007, 2827..2970		

Seq. No.	47902	Seq. ID	OJ000224_04.0321.C10
Gene No.	101955	Strand	+
Start	5437	End	5998
Name	OJ000224_04.0321.C10.o1.tc	Method	TBLASTX:Cress
Start	3347	End	3700
GI	none	Score	284
Exons	3347..3700		

Seq. No.	47902	Seq. ID	OJ000224_04.0321.C10
Gene No.	101955	Strand	+
Start	5437	End	5998
Name	OJ000224_04.0321.C10.o1.tm	Method	TBLASTX:Maize
Start	3362	End	3730
GI	none	Score	250
Exons	3362..3730, 3460..3726, 3560..3730		

Seq. No.	47902	Seq. ID	OJ000224_04.0321.C10
Gene No.	101955	Strand	+
Start	5437	End	5998
Name	OJ000224_04.0321.C10.o3.ts	Method	TBLASTX:Soybean
Start	3413	End	3781
GI	none	Score	205
Exons	3413..3781		

Seq. No.	47902	Seq. ID	OJ000224_04.0321.C10
Gene No.	101955	Strand	+
Start	5437	End	5998
Name	OJ000224_04.0321.C10.o2.gs	Method	GENSCAN
Start	5437	End	5998
GI	none	Score	.91
Exons	5437..5494, 5579..5762, 5764..5998		

Seq. No.	47902	Seq. ID	OJ000224_04.0321.C10
Gene No.	101955	Strand	+
Start	5437	End	5998
Name	OJ000224_04.0321.C10.o2.ts	Method	TBLASTX:Soybean
Start	5569	End	5875
GI	none	Score	163

Exons	5569..5760, 5575..5763, 5750..5875, 5758..5859		
Seq. No.	47902	Seq. ID	OJ000224_04.0321.C10
Gene No.	101955	Strand	+
Start	5437	End	5998
Name	OJ000224_04.0321.C10.o2.np	Method	AAT/NAP
Start	5579	End	5851
GI	6967112	Score	129
Exons	5579..5851		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		
Seq. No.	47903	Seq. ID	OJ000224_04.0321.C11
Gene No.	101956	Strand	-
Start	3	End	521
Name	OJ000224_04.0321.C11.o1.gs	Method	GENSCAN
Start	3	End	521
GI	none	Score	.75
Exons	3..114, 214..521		
Seq. No.	47904	Seq. ID	OJ000224_04.0321.C12
Gene No.	101957	Strand	+
Start	272	End	551
Name	OJ000224_04.0321.C12.o1.gs	Method	GENSCAN
Start	272	End	551
GI	none	Score	.43
Exons	272..406, 494..551		
Seq. No.	47905	Seq. ID	OJ000224_04.0321.C13
Gene No.	101958	Strand	+
Start	1423	End	1753
Name	OJ000224_04.0321.C13.o1.gp	Method	AAT/GAP
Start	1423	End	1753
GI	3768046	Score	607
Exons	1423..1753		
Seq. No.	47905	Seq. ID	OJ000224_04.0321.C13
Gene No.	101959	Strand	-
Start	543	End	1706
Name	OJ000224_04.0321.C13.o1.gs	Method	GENSCAN
Start	543	End	1706
GI	none	Score	.69
Exons	543..549, 1516..1706		
Seq. No.	47906	Seq. ID	OJ000224_04.0321.C18
Gene No.	101960	Strand	+
Start	1914	End	5718
Name	OJ000224_04.0321.C18.o1.np	Method	AAT/NAP
Start	1914	End	5718
GI	6721547	Score	83
Exons	1914..1998, 5678..5718		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	47906	Seq. ID	OJ000224_04.0321.C18
Gene No.	101960	Strand	+
Start	1914	End	5718
Name	OJ000224_04.0321.C18.o1.gp	Method	AAT/GAP
Start	3450	End	3766

GI	2310215	Score	618
Exons	3450..3766		

Seq. No.	47906	Seq. ID	OJ000224_04.0321.C18
Gene No.	101961	Strand	-
Start	5925	End	8129
Name	OJ000224_04.0321.C18.o2.np	Method	AAT/NAP
Start	5901	End	8129
GI	2829910	Score	205
Exons	5901..6054, 7230..7673, 7986..8129		
GI Descrip.	(AC002291) Unknown protein, contains regulator of chromosome condensation motifs [Arabidopsis thaliana]		

Seq. No.	47906	Seq. ID	OJ000224_04.0321.C18
Gene No.	101961	Strand	-
Start	5925	End	8129
Name	OJ000224_04.0321.C18.o2.gs	Method	GENSCAN
Start	5925	End	8064
GI	none	Score	.79
Exons	5925..6054, 6459..6587, 7230..7588, 8006..8064		

Seq. No.	47907	Seq. ID	OJ000224_04.0321.C19
Gene No.	101962	Strand	-
Start	1	End	2995
Name	OJ000224_04.0321.C19.o1.np	Method	AAT/NAP
Start	1	End	2995
GI	6665545	Score	1688
Exons	1..1313, 1697..1891, 2025..2105, 2676..2765, 2861..2995		
GI Descrip.	(AC013289) putative regulator of chromosome condensation [Arabidopsis thaliana]		

Seq. No.	47907	Seq. ID	OJ000224_04.0321.C19
Gene No.	101962	Strand	-
Start	1	End	2995
Name	OJ000224_04.0321.C19.o1.tc	Method	TBLASTX:Cress
Start	2	End	976
GI	none	Score	296
Exons	2..79, 11..370, 12..362, 170..373, 179..376, 324..365, 407..463, 408..461, 419..619, 515..655, 516..632, 698..802, 710..883, 740..772, 833..976, 836..937		

Seq. No.	47907	Seq. ID	OJ000224_04.0321.C19
Gene No.	101962	Strand	-
Start	1	End	2995
Name	OJ000224_04.0321.C19.o1.ts	Method	TBLASTX:Soybean
Start	2	End	916
GI	none	Score	62
Exons	2..67, 3..50, 158..280, 159..281, 227..373, 228..362, 287..583, 288..362, 293..583, 405..596, 480..572, 576..602, 704..733, 740..913, 836..916		

Seq. No.	47907	Seq. ID	OJ000224_04.0321.C19
Gene No.	101962	Strand	-
Start	1	End	2995
Name	OJ000224_04.0321.C19.o1.tm	Method	TBLASTX:Maize
Start	11	End	1016
GI	none	Score	85

Exons	11..112, 35..112, 170..325, 185..373, 227..373, 228..365, 401..985, 403..1011, 407..1015, 413..517, 463..1011, 894..1016		
Seq. No.	47907	Seq. ID	OJ000224_04.0321.C19
Gene No.	101962	Strand	-
Start	1	End	2995
Name	OJ000224_04.0321.C19.o2.tm	Method	TBLASTX:Maize
Start	1196	End	1806
GI	none	Score	200
Exons	1196..1360, 1197..1352, 1695..1796, 1696..1797, 1696..1806		
Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101963	Strand	+
Start	91	End	377
Name	OJ000224_04.0321.C20.o1.gs	Method	GENSCAN
Start	91	End	377
GI	none	Score	.51
Exons	91..197, 323..377		
Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101964	Strand	+
Start	821	End	6932
Name	OJ000224_04.0321.C20.o1.np	Method	AAT/NAP
Start	821	End	1401
GI	7523517	Score	145
Exons	821..1128, 1279..1401		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101964	Strand	+
Start	821	End	6932
Name	OJ000224_04.0321.C20.o2.gs	Method	GENSCAN
Start	821	End	6932
GI	none	Score	.6
Exons	821..944, 1266..1444, 1529..1802, 2220..3762, 3822..3947, 4006..4306, 4475..4561, 4653..5990, 6126..6932		
Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101964	Strand	+
Start	821	End	6932
Name	OJ000224_04.0321.C20.o2.np	Method	AAT/NAP
Start	2628	End	6896
GI	5922631	Score	2735
Exons	2628..3181, 3224..3478, 3602..5648, 5688..6896		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101965	Strand	-
Start	8414	End	11344
Name	OJ000224_04.0321.C20.o5.tw	Method	TBLASTX:Wheat
Start	2753	End	3151

GI	none	Score	59
Exons	2753..2803, 2804..2917, 2815..2865, 2876..3151, 2923..3150		

Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101965	Strand	-
Start	8414	End	11344
Name	OJ000224_04.0321.C20.o2.tm	Method	TBLASTX:Maize
Start	2798	End	3037
GI	none	Score	186
Exons	2798..3037		

Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101965	Strand	-
Start	8414	End	11344
Name	OJ000224_04.0321.C20.o3.tw	Method	TBLASTX:Wheat
Start	3782	End	4546
GI	none	Score	137
Exons	3782..3964, 3790..3891, 4001..4237, 4003..4227, 4384..4545, 4385..4546		

Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101965	Strand	-
Start	8414	End	11344
Name	OJ000224_04.0321.C20.o6.tw	Method	TBLASTX:Wheat
Start	4553	End	4826
GI	none	Score	75
Exons	4553..4657, 4632..4826		

Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101965	Strand	-
Start	8414	End	11344
Name	OJ000224_04.0321.C20.o4.tw	Method	TBLASTX:Wheat
Start	4896	End	5303
GI	none	Score	210
Exons	4896..5120, 5148..5303, 5232..5303		

Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101965	Strand	-
Start	8414	End	11344
Name	OJ000224_04.0321.C20.o1.tm	Method	TBLASTX:Maize
Start	5805	End	6110
GI	none	Score	348
Exons	5805..6110, 5828..6109		

Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101965	Strand	-
Start	8414	End	11344
Name	OJ000224_04.0321.C20.o2.tw	Method	TBLASTX:Wheat
Start	5805	End	6188
GI	none	Score	363
Exons	5805..6188, 5813..6187		

Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101965	Strand	-
Start	8414	End	11344
Name	OJ000224_04.0321.C20.o1.tw	Method	TBLASTX:Wheat
Start	6312	End	6920

GI	none	Score	344
Exons	6312..6764, 6461..6568, 6789..6920, 6794..6919		

Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101965	Strand	-
Start	8414	End	11344
Name	OJ000224_04.0321.C20.o3.tm	Method	TBLASTX:Maize
Start	6618	End	6884
GI	none	Score	153
Exons	6618..6800, 6785..6826, 6810..6884		

Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101965	Strand	-
Start	8414	End	11344
Name	OJ000224_04.0321.C20.o3.gs	Method	GENSCAN
Start	8414	End	11344
GI	none	Score	.58
Exons	8414..9179, 9250..9308, 9381..9515, 9628..9752, 9920..10258, 10479..10675, 11002..11074, 11260..11344		

Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101965	Strand	-
Start	8414	End	11344
Name	OJ000224_04.0321.C20.o3.np	Method	AAT/NAP
Start	8417	End	10495
GI	6721561	Score	971
Exons	8417..9179, 9250..9308, 9381..9559, 10426..10495		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47908	Seq. ID	OJ000224_04.0321.C20
Gene No.	101965	Strand	-
Start	8414	End	11344
Name	OJ000224_04.0321.C20.o4.np	Method	AAT/NAP
Start	8976	End	10578
GI	6721558	Score	255
Exons	8976..9175, 9607..9752, 10479..10578		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47909	Seq. ID	OJ000224_04.0321.C22
Gene No.	101966	Strand	-
Start	555	End	742
Name	OJ000224_04.0321.C22.o1.gs	Method	GENSCAN
Start	555	End	742
GI	none	Score	.63
Exons	555..742		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101967	Strand	+
Start	1418	End	4215
Name	OJ000224_04.0321.C25.o1.gp	Method	AAT/GAP
Start	1418	End	4215

GI	68351_1.R1084	Score	1630
Exons	1418..1698, 2269..2398, 2485..2606, 3708..3771, 3944..4215		
GI Descrip.	'4929739/gb|AAD34130.1|AF151893_1 8.0e-09 (AF151893) CGI-135 protein [Homo sapiens]'		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101967	Strand	+
Start	1418	End	4215
Name	OJ000224_04.0321.C25.o1.gs	Method	GENSCAN
Start	1572	End	4029
GI	none	Score	.95
Exons	1572..1698, 2269..2398, 2485..2606, 3708..3771, 3944..4029		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101967	Strand	+
Start	1418	End	4215
Name	OJ000224_04.0321.C25.o1.np	Method	AAT/NAP
Start	1606	End	4026
GI	6911879	Score	428
Exons	1606..1698, 2269..2398, 2485..2606, 3708..3771, 3944..4026		
GI Descrip.	(AL138655) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o2.tm	Method	TBLASTX:Maize
Start	1605	End	3761
GI	none	Score	108
Exons	1605..1697, 1606..1698, 2269..2397, 2281..2400, 2483..2605, 2484..2609, 3705..3761		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o1.ts	Method	TBLASTX:Soybean
Start	1606	End	4028
GI	none	Score	100
Exons	1606..1698, 2281..2397, 2334..2396, 2484..2603, 2502..2603, 2507..2608, 3708..3770, 3942..4028, 3942..4028		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o1.tc	Method	TBLASTX:Cress
Start	2269	End	2609
GI	none	Score	154
Exons	2269..2403, 2290..2403, 2505..2609, 2520..2606		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o2.tw	Method	TBLASTX:Wheat
Start	2368	End	3761
GI	none	Score	46
Exons	2368..2394, 2483..2608, 2484..2609, 3705..3761		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25

Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o2.gp	Method	AAT/GAP
Start	4379	End	5221
GI	LIB3431-040-P1-N1-G4	Score	642
Exons	4379..4629, 5116..5221		
GI Descrip.	'3785996 5.0e-20 (AC005499) putative annexin [Arabidopsis thaliana]'		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o2.gs	Method	GENSCAN
Start	4426	End	9122
GI	none	Score	.88
Exons	4426..4629, 5116..5661, 5763..5908, 6248..6373, 7042..7262, 7461..7588, 8140..8233, 9091..9122		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o2.np	Method	AAT/NAP
Start	4426	End	6323
GI	3928134	Score	566
Exons	4426..4629, 5116..5661, 5763..5908, 6248..6323		
GI Descrip.	(AJ130956) annexin P38 [Capsicum annuum]		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o2.ts	Method	TBLASTX:Soybean
Start	4432	End	6308
GI	none	Score	89
Exons	4432..4632, 5113..5316, 5114..5302, 5329..5433, 5620..5646, 5766..5912, 6246..6308		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o3.tm	Method	TBLASTX:Maize
Start	4432	End	5214
GI	none	Score	161
Exons	4432..4632, 4433..4570, 5113..5175, 5113..5214		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o2.tc	Method	TBLASTX:Cress
Start	4441	End	5909
GI	none	Score	128
Exons	4441..4566, 5209..5301, 5329..5433, 5539..5562, 5620..5646, 5766..5909		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o3.gp	Method	AAT/GAP

Start	5110	End	5464
GI	LIB3431-040-P1-K2-F6	Score	518
Exons	5110..5464		
GI Descrip.	'6056414/gb|AAF02878.1|AC009525_12 6.0e-14 (AC009525) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o1.tm	Method	TBLASTX:Maize
Start	5319	End	6477
GI	none	Score	123
Exons	5319..5432, 5320..5424, 5320..5433, 5431..5568, 5431..5571, 5620..5646, 5763..5915, 5830..5922, 6246..6308, 6247..6300, 6299..6325, 6424..6477		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o1.tw	Method	TBLASTX:Wheat
Start	5516	End	6308
GI	none	Score	78
Exons	5516..5563, 5518..5568, 5521..5571, 5620..5646, 5763..5915, 5830..5922, 6246..6308, 6247..6300		

Seq. No.	47910	Seq. ID	OJ000224_04.0321.C25
Gene No.	101968	Strand	-
Start	4426	End	9122
Name	OJ000224_04.0321.C25.o4.gp	Method	AAT/GAP
Start	5614	End	6423
GI	2442733	Score	630
Exons	5614..5661, 5763..5908, 6248..6423		
GI Descrip.	3176098/emb|CAA75308| 7.0e-11 (Y15036) annexin [Medicago truncatula]		

Seq. No.	47911	Seq. ID	OJ000224_04.0321.C26
Gene No.	101969	Strand	-
Start	1	End	1221
Name	OJ000224_04.0321.C26.o1.np	Method	AAT/NAP
Start	1	End	1221
GI	1703029	Score	229
Exons	1..30, 141..390, 1126..1221		
GI Descrip.	CLATHRIN COAT ASSEMBLY PROTEIN AP47 HOMOLOG 2 (CLATHRIN COAT ASSOCIATED PROTEIN AP47 HOMOLOG 2) (GOLGI ADAPTOR AP-1 47 KD PROTEIN HOMOLOG 2) (HA1 47 KD SUBUNIT HOMOLOG 2) (CLATHRIN ASSEMBLY PROTEIN ASSEMBLY PROTEIN COMPLEX 1 MEDIUM CHAIN HOMOLOG 2) (P4> gi|7513952|pir||I63224 clathrin-associated adaptor protein - rat gi|468382|gb|AAA57232.1| (L07074) clathrin-associa		

Seq. No.	47912	Seq. ID	OJ000224_04.0321.C28
Gene No.	101970	Strand	+
Start	38	End	455
Name	OJ000224_04.0321.C28.o1.gs	Method	GENSCAN
Start	38	End	455
GI	none	Score	.83
Exons	38..136, 283..455		

Seq. No.	47913	Seq. ID	OJ000214_07.0320.C1
Gene No.	101971	Strand	+
Start	2772	End	5191
Name	OJ000214_07.0320.C1.o2.gs	Method	GENSCAN
Start	2772	End	5191
GI	none	Score	.85
Exons	2772..2909, 3535..3637, 4057..4189, 4835..4908, 4958..5191		

Seq. No.	47913	Seq. ID	OJ000214_07.0320.C1
Gene No.	101972	Strand	-
Start	1852	End	2505
Name	OJ000214_07.0320.C1.o1.np	Method	AAT/NAP
Start	1476	End	1565
GI	5852084	Score	74
Exons	1476..1565		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	47913	Seq. ID	OJ000214_07.0320.C1
Gene No.	101972	Strand	-
Start	1852	End	2505
Name	OJ000214_07.0320.C1.o1.gs	Method	GENSCAN
Start	1852	End	2505
GI	none	Score	.99
Exons	1852..2505		

Seq. No.	47914	Seq. ID	OJ000214_07.0320.C4
Gene No.	101973	Strand	+
Start	1	End	713
Name	OJ000214_07.0320.C4.o1.np	Method	AAT/NAP
Start	1	End	519
GI	5917664	Score	30
Exons	1..20, 310..519		
GI Descrip.	(AF159296) extensin-like protein [Lycopersicon esculentum]		

Seq. No.	47914	Seq. ID	OJ000214_07.0320.C4
Gene No.	101973	Strand	+
Start	1	End	713
Name	OJ000214_07.0320.C4.o2.np	Method	AAT/NAP
Start	1	End	713
GI	3785984	Score	159
Exons	1..28, 534..713		
GI Descrip.	(AC005560) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	47915	Seq. ID	OJ000214_07.0320.C5
Gene No.	101974	Strand	+
Start	1	End	1197
Name	OJ000214_07.0320.C5.o1.np	Method	AAT/NAP
Start	1	End	1197
GI	6587849	Score	570
Exons	1..1197		
GI Descrip.	(AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	47915	Seq. ID	OJ000214_07.0320.C5
Gene No.	101974	Strand	+
Start	1	End	1197

Name	OJ000214_07.0320.C5.o1.tw	Method	TBLASTX:Wheat
Start	195	End	612
GI	none	Score	369
Exons	195..566, 302..556, 550..612		

Seq. No.	47915	Seq. ID	OJ000214_07.0320.C5
Gene No.	101974	Strand	+
Start	1	End	1197
Name	OJ000214_07.0320.C5.o1.ts	Method	TBLASTX:Soybean
Start	315	End	735
GI	none	Score	133
Exons	315..500, 550..735		

Seq. No.	47915	Seq. ID	OJ000214_07.0320.C5
Gene No.	101974	Strand	+
Start	1	End	1197
Name	OJ000214_07.0320.C5.o1.tm	Method	TBLASTX:Maize
Start	390	End	762
GI	none	Score	162
Exons	390..548, 425..547, 568..762, 606..752		

Seq. No.	47915	Seq. ID	OJ000214_07.0320.C5
Gene No.	101974	Strand	+
Start	1	End	1197
Name	OJ000214_07.0320.C5.o2.tw	Method	TBLASTX:Wheat
Start	616	End	802
GI	none	Score	196
Exons	616..801, 616..777, 618..800, 650..802		

Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101975	Strand	+
Start	196	End	1234
Name	OJ000214_07.0320.C6.o1.gs	Method	GENSCAN
Start	196	End	1234
GI	none	Score	.61
Exons	196..207, 1169..1234		

Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101976	Strand	+
Start	6023	End	6751
Name	OJ000214_07.0320.C6.o3.gs	Method	GENSCAN
Start	6023	End	6751
GI	none	Score	.48
Exons	6023..6183, 6616..6751		

Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101977	Strand	+
Start	9835	End	10984
Name	OJ000214_07.0320.C6.o5.gs	Method	GENSCAN
Start	9835	End	10984
GI	none	Score	.93
Exons	9835..9880, 10066..10192, 10225..10255, 10691..10859, 10956..10984		

Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101978	Strand	+
Start	14800	End	18367

Name	OJ000214_07.0320.C6.o7.gs	Method	GENSCAN
Start	14800	End	17766
GI	none	Score	.43
Exons	14800..14824, 15487..15645, 16931..17125, 17555..17580, 17641..17766		

Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101978	Strand	+
Start	14800	End	18367
Name	OJ000214_07.0320.C6.o1.np	Method	AAT/NAP
Start	15153	End	18367
GI	6498436	Score	60
Exons	15153..15199, 17001..17176, 18326..18367		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101979	Strand	+
Start	22819	End	24238
Name	OJ000214_07.0320.C6.o9.gs	Method	GENSCAN
Start	22819	End	24186
GI	none	Score	1
Exons	22819..24186		

Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101979	Strand	+
Start	22819	End	24238
Name	OJ000214_07.0320.C6.o2.np	Method	AAT/NAP
Start	22825	End	24238
GI	729623	Score	1692
Exons	22825..24238		
GI Descrip.	78 KD GLUCOSE-REGULATED PROTEIN HOMOLOG 5 PRECURSOR (GRP 78-5) (IMMUNOGLOBULIN HEAVY CHAIN BINDING PROTEIN HOMOLOG 5) (BIP 5) gi|100340|pir||S21880 dnaK-type molecular chaperone blp5 precursor - common tobacco gi|19813|emb|CAA42660.1| (X60058) luminal binding protein (BiP) [Nicotiana tabacum]		

Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101980	Strand	-
Start	3321	End	3932
Name	OJ000214_07.0320.C6.o2.gs	Method	GENSCAN
Start	3321	End	3932
GI	none	Score	1
Exons	3321..3932		

Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101981	Strand	-
Start	7398	End	8182
Name	OJ000214_07.0320.C6.o4.gs	Method	GENSCAN
Start	7398	End	8182
GI	none	Score	.4
Exons	7398..7600, 8098..8182		

Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101982	Strand	-
Start	13076	End	13627
Name	OJ000214_07.0320.C6.o6.gs	Method	GENSCAN
Start	13076	End	13627

GI	none	Score	.84
Exons	13076..13627		
Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101983	Strand	-
Start	19188	End	19970
Name	OJ000214_07.0320.C6.o8.gs	Method	GENSCAN
Start	19188	End	19970
GI	none	Score	.96
Exons	19188..19970		
Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101983	Strand	-
Start	19188	End	19970
Name	OJ000214_07.0320.C6.o2.ts	Method	TBLASTX:Soybean
Start	19479	End	19827
GI	none	Score	67
Exons	19479..19622, 19678..19827, 19683..19826		
Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101983	Strand	-
Start	19188	End	19970
Name	OJ000214_07.0320.C6.o2.tc	Method	TBLASTX:Cress
Start	19497	End	19820
GI	none	Score	110
Exons	19497..19622, 19683..19820		
Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101984	Strand	
Start	22942	End	24234
Name	OJ000214_07.0320.C6.o1.tw	Method	TBLASTX:Wheat
Start	22942	End	24234
GI	none	Score	128
Exons	22942..22977, 22965..23102, 22966..23058, 23067..23207, 23068..23493, 23292..23459, 23500..24234, 23520..23675, 23763..24230		
Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101984	Strand	
Start	22942	End	24234
Name	OJ000214_07.0320.C6.o1.tc	Method	TBLASTX:Cress
Start	22965	End	24234
GI	none	Score	164
Exons	22965..23057, 22966..23058, 23067..23228, 23068..23496, 23289..23459, 23500..24234, 23514..23675, 23760..24233		
Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101984	Strand	
Start	22942	End	24234
Name	OJ000214_07.0320.C6.o1.tm	Method	TBLASTX:Maize
Start	22965	End	24234
GI	none	Score	168
Exons	22965..23057, 22966..23058, 23067..23228, 23068..23496, 23289..23459, 23500..24234, 23514..23666, 23754..24233		
Seq. No.	47916	Seq. ID	OJ000214_07.0320.C6
Gene No.	101984	Strand	

Start	22942	End	24234
Name	OJ000214_07.0320.C6.o1.ts	Method	TBLASTX:Soybean
Start	22965	End	24234
GI	none	Score	168
Exons	22965..23057, 22966..23058, 23067..23228, 23068..23496, 23289..23459, 23500..24234, 23514..23675, 23754..24233		

Seq. No.	47917	Seq. ID	OJ000214_07.0320.C7
Gene No.	101985	Strand	+
Start	1	End	323
Name	OJ000214_07.0320.C7.o1.np	Method	AAT/NAP
Start	1	End	320
GI	2642238	Score	269
Exons	1..320		
GI Descrip.	(AF031241) endoplasmic reticulum HSC70-cognate binding protein precursor [Glycine max]		

Seq. No.	47917	Seq. ID	OJ000214_07.0320.C7
Gene No.	101985	Strand	+
Start	1	End	323
Name	OJ000214_07.0320.C7.o1.gs	Method	GENSCAN
Start	47	End	323
GI	none	Score	.8
Exons	47..323		

Seq. No.	47917	Seq. ID	OJ000214_07.0320.C7
Gene No.	101986	Strand	+
Start	1849	End	2570
Name	OJ000214_07.0320.C7.o2.gs	Method	GENSCAN
Start	1849	End	2570
GI	none	Score	.91
Exons	1849..1918, 2257..2570		

Seq. No.	47917	Seq. ID	OJ000214_07.0320.C7
Gene No.	101987	Strand	-
Start	488	End	2381
Name	OJ000214_07.0320.C7.o2.np	Method	AAT/NAP
Start	488	End	2381
GI	4680502	Score	121
Exons	488..517, 2011..2250, 2339..2381		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	47917	Seq. ID	OJ000214_07.0320.C7
Gene No.	101988	Strand	-
Start	5611	End	5991
Name	OJ000214_07.0320.C7.o4.gs	Method	GENSCAN
Start	5611	End	5991
GI	none	Score	.89
Exons	5611..5729, 5943..5991		

Seq. No.	47918	Seq. ID	OJ000214_07.0320.C9
Gene No.	101989	Strand	+
Start	122	End	3265
Name	OJ000214_07.0320.C9.o1.gs	Method	GENSCAN
Start	122	End	752
GI	none	Score	.73
Exons	122..308, 437..533, 647..752		

Seq. No.	47918	Seq. ID	OJ000214_07.0320.C9
Gene No.	101989	Strand	+
Start	122	End	3265
Name	OJ000214_07.0320.C9.o1.np	Method	AAT/NAP
Start	164	End	3265
GI	7488367	Score	173
Exons	164..308, 437..533, 2994..3057, 3239..3265		
GI Descrip.	thiamin pyrophosphokinase homolog F16B22.24 - Arabidopsis thaliana gi|3341695|gb|AAC27477.1| (AC003672) putative thiamin pyrophosphokinase [Arabidopsis thaliana]		

Seq. No.	47918	Seq. ID	OJ000214_07.0320.C9
Gene No.	101989	Strand	+
Start	122	End	3265
Name	OJ000214_07.0320.C9.o2.gs	Method	GENSCAN
Start	1899	End	2573
GI	none	Score	.94
Exons	1899..2573		

Seq. No.	47918	Seq. ID	OJ000214_07.0320.C9
Gene No.	101989	Strand	+
Start	122	End	3265
Name	OJ000214_07.0320.C9.o1.gp	Method	AAT/GAP
Start	2779	End	3098
GI	569203	Score	555
Exons	2779..3098		
GI Descrip.	6056414/gb|AAF02878.1|AC009525_12 6.0e-14 (AC009525) Unknown protein [Arabidopsis thaliana]		

Seq. No.	47919	Seq. ID	OJ000214_07.0320.C10
Gene No.	101990	Strand	+
Start	1	End	851
Name	OJ000214_07.0320.C10.o1.np	Method	AAT/NAP
Start	1	End	851
GI	6056414	Score	404
Exons	1..96, 293..394, 478..726, 800..851		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		

Seq. No.	47919	Seq. ID	OJ000214_07.0320.C10
Gene No.	101990	Strand	+
Start	1	End	851
Name	OJ000214_07.0320.C10.o1.gp	Method	AAT/GAP
Start	728	End	851
GI	LIB3433-047-P1-K1-B8	Score	226
Exons	728..851		
GI Descrip.	'6056414/gb|AAF02878.1|AC009525_12 6.0e-14 (AC009525) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	47919	Seq. ID	OJ000214_07.0320.C10
Gene No.	101991	Strand	-
Start	435	End	849
Name	OJ000214_07.0320.C10.o1.ts	Method	TBLASTX:Soybean
Start	261	End	849
GI	none	Score	72
Exons	261..350, 289..360, 293..367, 293..352, 337..354, 408..605, 475..678, 477..608, 517..678, 678..725, 799..849		

Seq. No.	47919	Seq. ID	OJ000214_07.0320.C10
Gene No.	101991	Strand	-
Start	435	End	849
Name	OJ000214_07.0320.C10.o1.tc	Method	TBLASTX:Cress
Start	293	End	678
GI	none	Score	87
Exons	293..352, 477..614, 478..678,	517..678	

Seq. No.	47919	Seq. ID	OJ000214_07.0320.C10
Gene No.	101991	Strand	-
Start	435	End	849
Name	OJ000214_07.0320.C10.o1.tm	Method	TBLASTX:Maize
Start	312	End	678
GI	none	Score	76
Exons	312..392, 312..392, 314..394, 314..394, 475..678, 475..672, 477..677		

Seq. No.	47919	Seq. ID	OJ000214_07.0320.C10
Gene No.	101991	Strand	-
Start	435	End	849
Name	OJ000214_07.0320.C10.o1.gs	Method	GENSCAN
Start	435	End	549
GI	none	Score	.9
Exons	435..549		

Seq. No.	47920	Seq. ID	OJ000214_07.0320.C12
Gene No.	101992	Strand	+
Start	1169	End	1280
Name	OJ000214_07.0320.C12.o1.gp	Method	AAT/GAP
Start	1169	End	1280
GI	69953_1.R1084	Score	103
Exons	1169..1280		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	47920	Seq. ID	OJ000214_07.0320.C12
Gene No.	101993	Strand	-
Start	2672	End	3863
Name	OJ000214_07.0320.C12.o1.np	Method	AAT/NAP
Start	724	End	2029
GI	6815099	Score	79
Exons	724..836, 2008..2029		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47920	Seq. ID	OJ000214_07.0320.C12
Gene No.	101993	Strand	-
Start	2672	End	3863
Name	OJ000214_07.0320.C12.o1.gs	Method	GENSCAN
Start	2672	End	3732
GI	none	Score	.43
Exons	2672..2764, 3604..3732		

Seq. No.	47920	Seq. ID	OJ000214_07.0320.C12
Gene No.	101993	Strand	-
Start	2672	End	3863
Name	OJ000214_07.0320.C12.o2.gp	Method	AAT/GAP

Start	3470	End	3863
GI	none	Score	742
Exons	3470..3863		

Seq. No.	47921	Seq. ID	OJ000214_07.0320.C15
Gene No.	101994	Strand	+
Start	91	End	315
Name	OJ000214_07.0320.C15.o1.gs	Method	GENSCAN
Start	91	End	315
GI	none	Score	.99
Exons	91..315		

Seq. No.	47922	Seq. ID	OJ000214_07.0320.C16
Gene No.	101995	Strand	+
Start	13	End	1469
Name	OJ000214_07.0320.C16.o1.gs	Method	GENSCAN
Start	13	End	1469
GI	none	Score	.69
Exons	13..137, 194..301, 345..786, 1029..1469		

Seq. No.	47922	Seq. ID	OJ000214_07.0320.C16
Gene No.	101995	Strand	+
Start	13	End	1469
Name	OJ000214_07.0320.C16.o1.gp	Method	AAT/GAP
Start	528	End	1014
GI	none	Score	939
Exons	528..1014		

Seq. No.	47923	Seq. ID	OJ000214_07.0320.C18
Gene No.	101996	Strand	+
Start	154	End	295
Name	OJ000214_07.0320.C18.o1.gs	Method	GENSCAN
Start	154	End	295
GI	none	Score	.62
Exons	154..171, 221..295		

Seq. No.	47924	Seq. ID	OJ000214_07.0320.C19
Gene No.	101997	Strand	+
Start	18	End	1940
Name	OJ000214_07.0320.C19.o1.gs	Method	GENSCAN
Start	18	End	1697
GI	none	Score	1
Exons	18..1697		

Seq. No.	47924	Seq. ID	OJ000214_07.0320.C19
Gene No.	101997	Strand	+
Start	18	End	1940
Name	OJ000214_07.0320.C19.o1.gp	Method	AAT/GAP
Start	1516	End	1940
GI	none	Score	813
Exons	1516..1940		

Seq. No.	47924	Seq. ID	OJ000214_07.0320.C19
Gene No.	101998	Strand	+
Start	4265	End	4544
Name	OJ000214_07.0320.C19.o2.gs	Method	GENSCAN
Start	4265	End	4544

GI	none	Score	.58
Exons	4265..4351, 4416..4544		

Seq. No.	47924	Seq. ID	OJ000214_07.0320.C19
Gene No.	101999	Strand	+
Start	9334	End	9506
Name	OJ000214_07.0320.C19.o1.np	Method	AAT/NAP
Start	9334	End	9506
GI	4773883	Score	134
Exons	9334..9506		
GI Descrip.	(AF076243) putative transposon protein [Arabidopsis thaliana] gi|7267201|emb|CAB77912.1| (AL161500) putative transposon protein [Arabidopsis thaliana]		

Seq. No.	47924	Seq. ID	OJ000214_07.0320.C19
Gene No.	102000	Strand	-
Start	5915	End	7477
Name	OJ000214_07.0320.C19.o3.gs	Method	GENSCAN
Start	5915	End	7477
GI	none	Score	.96
Exons	5915..7477		

Seq. No.	47924	Seq. ID	OJ000214_07.0320.C19
Gene No.	102001	Strand	-
Start	7938	End	8467
Name	OJ000214_07.0320.C19.o4.gs	Method	GENSCAN
Start	7938	End	8467
GI	none	Score	.45
Exons	7938..8093, 8411..8467		

Seq. No.	47924	Seq. ID	OJ000214_07.0320.C19
Gene No.	102002	Strand	
Start	8726	End	9110
Name	OJ000214_07.0320.C19.o1.tw	Method	TBLASTX:Wheat
Start	8726	End	9110
GI	none	Score	93
Exons	8726..8827, 8727..8843, 8823..8906, 8864..8905, 8916..8981, 8930..8971, 9072..9110		

Seq. No.	47924	Seq. ID	OJ000214_07.0320.C19
Gene No.	102003	Strand	
Start	9339	End	9533
Name	OJ000214_07.0320.C19.o1.tm	Method	TBLASTX:Maize
Start	9339	End	9533
GI	none	Score	201
Exons	9339..9533, 9344..9526, 9345..9533		

Seq. No.	47925	Seq. ID	OJ000214_07.0320.C20
Gene No.	102004	Strand	+
Start	1	End	2099
Name	OJ000214_07.0320.C20.o1.np	Method	AAT/NAP
Start	1	End	2099
GI	6063554	Score	192
Exons	1..151, 277..468, 571..795, 1924..2099		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47925	Seq. ID	OJ000214_07.0320.C20
Gene No.	102005	Strand	-
Start	3892	End	7696
Name	OJ000214_07.0320.C20.o2.np	Method	AAT/NAP
Start	3892	End	7696
GI	6721547	Score	76
Exons	3892..3915, 7607..7696		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	47925	Seq. ID	OJ000214_07.0320.C20
Gene No.	102005	Strand	-
Start	3892	End	7696
Name	OJ000214_07.0320.C20.o2.gs	Method	GENSCAN
Start	6234	End	7696
GI	none	Score	.59
Exons	6234..6393, 6425..6572, 7612..7696		

Seq. No.	47925	Seq. ID	OJ000214_07.0320.C20
Gene No.	102006	Strand	-
Start	9901	End	12556
Name	OJ000214_07.0320.C20.o3.gs	Method	GENSCAN
Start	9901	End	12556
GI	none	Score	.47
Exons	9901..10158, 10287..10385, 11288..11652, 12071..12290, 12374..12556		

Seq. No.	47926	Seq. ID	OJ000214_07.0320.C21
Gene No.	102007	Strand	+
Start	172	End	1293
Name	OJ000214_07.0320.C21.o1.gs	Method	GENSCAN
Start	172	End	1293
GI	none	Score	.5
Exons	172..460, 572..771, 1090..1293		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102008	Strand	+
Start	57	End	4871
Name	OJ000214_07.0320.C23.o1.gs	Method	GENSCAN
Start	57	End	4604
GI	none	Score	.83
Exons	57..218, 837..1124, 1967..2042, 2206..2293, 2366..2385, 2482..2489, 2580..2627, 2964..3041, 3298..3478, 3569..3666, 4173..4604		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102008	Strand	+
Start	57	End	4871
Name	OJ000214_07.0320.C23.o1.np	Method	AAT/NAP
Start	2961	End	4607
GI	3914899	Score	1162
Exons	2961..3041, 3298..3478, 3569..3666, 4173..4607		
GI Descrip.	40S RIBOSOMAL PROTEIN S4 gi|2331301 (AF013487) ribosomal protein S4 type I [Zea mays]		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102008	Strand	+

Start	57	End	4871
Name	OJ000214_07.0320.C23.o1.gp	Method	AAT/GAP
Start	4165	End	4871
GI	17262_1.R1084	Score	1354
Exons	4165..4871		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102009	Strand	+
Start	4906	End	6620
Name	OJ000214_07.0320.C23.o2.gs	Method	GENSCAN
Start	4906	End	6620
GI	none	Score	.56
Exons	4906..5013, 5111..5397, 5783..5867, 6133..6245, 6344..6620		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102010	Strand	+
Start	10248	End	13480
Name	OJ000214_07.0320.C23.o2.np	Method	AAT/NAP
Start	10248	End	13477
GI	6907089	Score	4236
Exons	10248..11509, 11613..13477		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102010	Strand	+
Start	10248	End	13480
Name	OJ000214_07.0320.C23.o4.gs	Method	GENSCAN
Start	10248	End	13480
GI	none	Score	.68
Exons	10248..11509, 11613..12704, 12753..13020, 13078..13239, 13289..13480		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102011	Strand	+
Start	16194	End	17354
Name	OJ000214_07.0320.C23.o6.np	Method	AAT/NAP
Start	16194	End	17354
GI	7523512	Score	129
Exons	16194..16339, 17226..17354		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102011	Strand	+
Start	16194	End	17354
Name	OJ000214_07.0320.C23.o4.np	Method	AAT/NAP
Start	16403	End	16478
GI	5922623	Score	63
Exons	16403..16478		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541

Name	OJ000214_07.0320.C23.o2.tc	Method	TBLASTX:Cress
Start	2930	End	3489
GI	none	Score	144
Exons	2930..3037, 2946..3041, 2970..3041, 3297..3476, 3298..3477, 3301..3489, 3303..3482		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o1.ts	Method	TBLASTX:Soybean
Start	2963	End	4559
GI	none	Score	137
Exons	2963..3040, 2964..3041, 2967..3041, 3297..3476, 3298..3477, 3315..3482, 3371..3481, 3567..3665, 3568..3666, 4170..4559, 4172..4528, 4426..4533		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o3.tw	Method	TBLASTX:Wheat
Start	2963	End	3479
GI	none	Score	141
Exons	2963..3037, 2964..3041, 2967..3041, 2998..3042, 3297..3476, 3298..3477, 3303..3479, 3413..3478		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o3.tm	Method	TBLASTX:Maize
Start	2964	End	3666
GI	none	Score	38
Exons	2964..2993, 2979..3041, 3297..3476, 3298..3477, 3306..3482, 3314..3481, 3567..3665, 3568..3666, 3580..3666		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o1.tw	Method	TBLASTX:Wheat
Start	3570	End	4461
GI	none	Score	141
Exons	3570..3665, 3571..3669, 3586..3672, 4174..4344, 4175..4459, 4175..4459, 4176..4460, 4426..4461		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o1.tc	Method	TBLASTX:Cress
Start	3597	End	4559
GI	none	Score	72
Exons	3597..3665, 3598..3666, 4170..4559, 4172..4528		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o2.tm	Method	TBLASTX:Maize
Start	4160	End	4447
GI	none	Score	334

Exons	4160..4447, 4173..4442		
Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o4.tm	Method	TBLASTX:Maize
Start	14101	End	14245
GI	none	Score	128
Exons	14101..14244, 14105..14245		
Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o5.gs	Method	GENSCAN
Start	14101	End	17001
GI	none	Score	.62
Exons	14101..15984, 16191..16346, 16400..16504, 16534..16628, 16941..17001		
Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o3.np	Method	AAT/NAP
Start	14104	End	18541
GI	7228457	Score	3049
Exons	14104..15654, 15721..16064, 18505..18541		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o5.tw	Method	TBLASTX:Wheat
Start	14113	End	14715
GI	none	Score	77
Exons	14113..14238, 14147..14239, 14426..14710, 14431..14715		
Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o2.tw	Method	TBLASTX:Wheat
Start	14716	End	15097
GI	none	Score	218
Exons	14716..15096, 14747..15097		
Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o1.tm	Method	TBLASTX:Maize
Start	14902	End	15234
GI	none	Score	86
Exons	14902..15114, 14911..15234, 14924..15205		
Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541

Name	OJ000214_07.0320.C23.o2.ts	Method	TBLASTX:Soybean
Start	15487	End	16053
GI	5666795	Score	80
Exons	15487..15687, 15742..15879, 15955..16053		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o4.tw	Method	TBLASTX:Wheat
Start	15589	End	16042
GI	none	Score	145
Exons	15589..15906, 15656..15880, 15934..16041, 15935..16042		

Seq. No.	47927	Seq. ID	OJ000214_07.0320.C23
Gene No.	102012	Strand	-
Start	14101	End	18541
Name	OJ000214_07.0320.C23.o5.np	Method	AAT/NAP
Start	16551	End	18541
GI	5042454	Score	65
Exons	16551..16641, 18523..18541		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47928	Seq. ID	OJ000214_07.0320.C24
Gene No.	102013	Strand	+
Start	1728	End	2216
Name	OJ000214_07.0320.C24.o1.gs	Method	GENSCAN
Start	1728	End	2216
GI	none	Score	.56
Exons	1728..1933, 2123..2216		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102014	Strand	+
Start	1	End	247
Name	OJ000214_07.0320.C25.o1.gp	Method	AAT/GAP
Start	1	End	247
GI	28898_2.R1084	Score	392
Exons	1..247		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-69 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102015	Strand	+
Start	7990	End	10344
Name	OJ000214_07.0320.C25.o1.np	Method	AAT/NAP
Start	7925	End	10305
GI	7435662	Score	1388
Exons	7925..7971, 8115..10305		
GI Descrip.	subtilisin-like proteinase (EC 3.4.21.-) precursor P69B, pathogenesis-related - tomato gi|2230959|emb|CAA71234.1| (Y10149) subtilisin-like protease [Lycopersicon esculentum] gi|4200336|emb|CAA76725.1| (Y17276) P69B protein [Lycopersicon esculentum]		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102015	Strand	+
Start	7990	End	10344

Name	OJ000214_07.0320.C25.o2.gs	Method	GENSCAN
Start	7990	End	10344
GI	none	Score	.48
Exons	7990..10344		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102016	Strand	+
Start	13930	End	14773
Name	OJ000214_07.0320.C25.o4.gs	Method	GENSCAN
Start	13930	End	14773
GI	none	Score	.57
Exons	13930..14035, 14062..14196, 14235..14773		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102017	Strand	-
Start	1835	End	5702
Name	OJ000214_07.0320.C25.o1.gs	Method	GENSCAN
Start	1835	End	5702
GI	none	Score	.62
Exons	1835..2808, 2958..3033, 3209..3294, 5696..5702		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102018	Strand	-
Start	12078	End	15607
Name	OJ000214_07.0320.C25.o1.tc	Method	TBLASTX:Cress
Start	8284	End	9894
GI	none	Score	95
Exons	8284..8433, 8461..8577, 8593..8643, 8697..9053, 8698..9201, 9478..9564, 9483..9563, 9607..9768, 9612..9782, 9802..9894		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102018	Strand	-
Start	12078	End	15607
Name	OJ000214_07.0320.C25.o1.ts	Method	TBLASTX:Soybean
Start	8284	End	10062
GI	none	Score	194
Exons	8284..8577, 8307..8432, 8538..8576, 8587..8640, 8712..9059, 8719..9147, 9406..9576, 9489..9563, 9607..9768, 9609..9752, 9802..9894, 9976..10062		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102018	Strand	-
Start	12078	End	15607
Name	OJ000214_07.0320.C25.o1.tm	Method	TBLASTX:Maize
Start	8455	End	9684
GI	none	Score	157
Exons	8455..8577, 8505..8573, 8593..8625, 8647..8871, 8694..8867, 8743..8889, 8890..9159, 8898..9059, 9175..9327, 9385..9564, 9477..9563, 9565..9684, 9609..9674, 9622..9681		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102018	Strand	-
Start	12078	End	15607
Name	OJ000214_07.0320.C25.o1.tw	Method	TBLASTX:Wheat
Start	8716	End	9147
GI	none	Score	79
Exons	8716..8784, 8790..8873, 8791..8874, 8857..9147, 8895..9059		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102018	Strand	-
Start	12078	End	15607
Name	OJ000214_07.0320.C25.o3.tw	Method	TBLASTX:Wheat
Start	9513	End	9756
GI	none	Score	57
Exons	9513..9563, 9514..9564, 9610..9756, 9621..9755		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102018	Strand	-
Start	12078	End	15607
Name	OJ000214_07.0320.C25.o3.tm	Method	TBLASTX:Maize
Start	9684	End	10293
GI	none	Score	243
Exons	9684..9839, 9685..9894, 9778..9846, 10249..10293		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102018	Strand	-
Start	12078	End	15607
Name	OJ000214_07.0320.C25.o2.np	Method	AAT/NAP
Start	12078	End	15607
GI	1091678	Score	324
Exons	12078..12214, 12822..13623, 15585..15607		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102018	Strand	-
Start	12078	End	15607
Name	OJ000214_07.0320.C25.o3.ts	Method	TBLASTX:Soybean
Start	12840	End	13079
GI	none	Score	87
Exons	12840..13079, 12853..13044, 12966..13052		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102018	Strand	-
Start	12078	End	15607
Name	OJ000214_07.0320.C25.o4.tm	Method	TBLASTX:Maize
Start	12846	End	13214
GI	none	Score	64
Exons	12846..13052, 12928..13038, 13086..13214		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102018	Strand	-
Start	12078	End	15607
Name	OJ000214_07.0320.C25.o2.tm	Method	TBLASTX:Maize
Start	13245	End	13601
GI	none	Score	68
Exons	13245..13601, 13308..13514, 13309..13599		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102018	Strand	-
Start	12078	End	15607
Name	OJ000214_07.0320.C25.o2.ts	Method	TBLASTX:Soybean
Start	13260	End	13664
GI	none	Score	234
Exons	13260..13664		

Seq. No.	47929	Seq. ID	OJ000214_07.0320.C25
Gene No.	102018	Strand	-
Start	12078	End	15607
Name	OJ000214_07.0320.C25.o2.tw	Method	TBLASTX:Wheat
Start	13278	End	13643
GI	none	Score	68
Exons	13278..13643, 13326..13577		

Seq. No.	47930	Seq. ID	OJ000214_07.0320.C26
Gene No.	102019	Strand	-
Start	1861	End	3001
Name	OJ000214_07.0320.C26.o2.ts	Method	TBLASTX:Soybean
Start	1811	End	2289
GI	none	Score	62
Exons	1811..1927, 1939..2073, 1943..2068, 2119..2289		

Seq. No.	47930	Seq. ID	OJ000214_07.0320.C26
Gene No.	102019	Strand	-
Start	1861	End	3001
Name	OJ000214_07.0320.C26.o1.np	Method	AAT/NAP
Start	1835	End	3001
GI	6630685	Score	1191
Exons	1835..3001		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	47930	Seq. ID	OJ000214_07.0320.C26
Gene No.	102019	Strand	-
Start	1861	End	3001
Name	OJ000214_07.0320.C26.o1.tm	Method	TBLASTX:Maize
Start	1853	End	2519
GI	none	Score	179
Exons	1853..1927, 1927..2376, 1928..2353, 2362..2511, 2376..2519		

Seq. No.	47930	Seq. ID	OJ000214_07.0320.C26
Gene No.	102019	Strand	-
Start	1861	End	3001
Name	OJ000214_07.0320.C26.o1.gs	Method	GENSCAN
Start	1861	End	2798
GI	none	Score	.5
Exons	1861..2306, 2345..2798		

Seq. No.	47930	Seq. ID	OJ000214_07.0320.C26
Gene No.	102019	Strand	-
Start	1861	End	3001
Name	OJ000214_07.0320.C26.o1.tw	Method	TBLASTX:Wheat
Start	2254	End	2696
GI	none	Score	113
Exons	2254..2376, 2376..2522, 2550..2696		

Seq. No.	47930	Seq. ID	OJ000214_07.0320.C26
Gene No.	102019	Strand	-
Start	1861	End	3001
Name	OJ000214_07.0320.C26.o1.ts	Method	TBLASTX:Soybean
Start	2326	End	2730
GI	none	Score	115

Exons	2326..2376, 2376..2726, 2380..2730		
Seq. No.	47930	Seq. ID	OJ000214_07.0320.C26
Gene No.	102019	Strand	-
Start	1861	End	3001
Name	OJ000214_07.0320.C26.o2.tm	Method	TBLASTX:Maize
Start	2634	End	2999
GI	none	Score	64
Exons	2634..2999, 2647..2721, 2703..2747, 2773..2997		
Seq. No.	47931	Seq. ID	OJ000214_07.0320.C29
Gene No.	102020	Strand	-
Start	60	End	1175
Name	OJ000214_07.0320.C29.o1.gs	Method	GENSCAN
Start	60	End	1175
GI	none	Score	.6
Exons	60..186, 827..874, 1120..1175		
Seq. No.	47931	Seq. ID	OJ000214_07.0320.C29
Gene No.	102021	Strand	-
Start	1659	End	1901
Name	OJ000214_07.0320.C29.o1.tm	Method	TBLASTX:Maize
Start	1644	End	1836
GI	none	Score	86
Exons	1644..1820, 1647..1826, 1654..1836		
Seq. No.	47931	Seq. ID	OJ000214_07.0320.C29
Gene No.	102021	Strand	-
Start	1659	End	1901
Name	OJ000214_07.0320.C29.o1.tc	Method	TBLASTX:Cress
Start	1656	End	1820
GI	none	Score	96
Exons	1656..1820, 1657..1818		
Seq. No.	47931	Seq. ID	OJ000214_07.0320.C29
Gene No.	102021	Strand	-
Start	1659	End	1901
Name	OJ000214_07.0320.C29.o1.ts	Method	TBLASTX:Soybean
Start	1656	End	1808
GI	none	Score	75
Exons	1656..1796, 1656..1808, 1657..1800		
Seq. No.	47931	Seq. ID	OJ000214_07.0320.C29
Gene No.	102021	Strand	-
Start	1659	End	1901
Name	OJ000214_07.0320.C29.o1.np	Method	AAT/NAP
Start	1659	End	1901
GI	4587589	Score	184
Exons	1659..1802, 1881..1901		
GI Descrip.	(AC007232) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	47932	Seq. ID	OJ000224_01.0323.C10
Gene No.	102022	Strand	-
Start	1	End	3172
Name	OJ000224_01.0323.C10.o1.np	Method	AAT/NAP
Start	1	End	3172
GI	6815052	Score	368

Exons	1..49, 340..415, 497..661, 3150..3172		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	47932	Seq. ID	OJ000224_01.0323.C10
Gene No.	102022	Strand	-
Start	1	End	3172
Name	OJ000224_01.0323.C10.o2.gs	Method	GENSCAN
Start	2191	End	3135
GI	none	Score	.64
Exons	2191..3135		

Seq. No.	47932	Seq. ID	OJ000224_01.0323.C10
Gene No.	102022	Strand	-
Start	1	End	3172
Name	OJ000224_01.0323.C10.o2.np	Method	AAT/NAP
Start	2224	End	3172
GI	479356	Score	810
Exons	2224..3172		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		

Seq. No.	47932	Seq. ID	OJ000224_01.0323.C10
Gene No.	102022	Strand	-
Start	1	End	3172
Name	OJ000224_01.0323.C10.o1.tc	Method	TBLASTX:Cress
Start	2272	End	2989
GI	none	Score	64
Exons	2272..2379, 2435..2578, 2461..2577, 2479..2583, 2594..2713, 2602..2799, 2809..2988, 2849..2989		

Seq. No.	47932	Seq. ID	OJ000224_01.0323.C10
Gene No.	102022	Strand	-
Start	1	End	3172
Name	OJ000224_01.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	2290	End	3048
GI	none	Score	50
Exons	2290..2400, 2467..2583, 2467..2583, 2596..2961, 2597..2656, 2756..2899, 2968..3048		

Seq. No.	47932	Seq. ID	OJ000224_01.0323.C10
Gene No.	102022	Strand	-
Start	1	End	3172
Name	OJ000224_01.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	2461	End	3045
GI	none	Score	113
Exons	2461..2967, 2540..2908, 2930..2968, 2971..3045		

Seq. No.	47932	Seq. ID	OJ000224_01.0323.C10
Gene No.	102022	Strand	-
Start	1	End	3172
Name	OJ000224_01.0323.C10.o1.tw	Method	TBLASTX:Wheat
Start	2516	End	2938
GI	none	Score	40
Exons	2516..2572, 2545..2784, 2606..2716, 2629..2733, 2797..2937, 2798..2938		

Seq. No.	47933	Seq. ID	OJ000224_01.0323.C12
Gene No.	102023	Strand	+

Start	2114	End	5397
Name	OJ000224_01.0323.C12.o1.np	Method	AAT/NAP
Start	2114	End	5397
GI	1346396	Score	1413
Exons	2114..2172, 3039..5397		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	47933	Seq. ID	OJ000224_01.0323.C12
Gene No.	102023	Strand	+
Start	2114	End	5397
Name	OJ000224_01.0323.C12.o1.gp	Method	AAT/GAP
Start	4392	End	4613
GI	none	Score	436
Exons	4392..4613		

Seq. No.	47933	Seq. ID	OJ000224_01.0323.C12
Gene No.	102024	Strand	+
Start	7204	End	9048
Name	OJ000224_01.0323.C12.o3.np	Method	AAT/NAP
Start	7204	End	9048
GI	4680199	Score	110
Exons	7204..7415, 8949..9048		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	47933	Seq. ID	OJ000224_01.0323.C12
Gene No.	102024	Strand	+
Start	7204	End	9048
Name	OJ000224_01.0323.C12.o4.np	Method	AAT/NAP
Start	7414	End	9048
GI	5734709	Score	168
Exons	7414..7874, 8958..9048		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	47933	Seq. ID	OJ000224_01.0323.C12
Gene No.	102025	Strand	-
Start	6093	End	6637
Name	OJ000224_01.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	3361	End	3657
GI	none	Score	63
Exons	3361..3426, 3421..3657, 3432..3515, 3562..3657		

Seq. No.	47933	Seq. ID	OJ000224_01.0323.C12
Gene No.	102025	Strand	-
Start	6093	End	6637
Name	OJ000224_01.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	3424	End	5180
GI	none	Score	73
Exons	3424..3510, 3736..3870, 4647..4754, 4648..4806, 4825..5016, 4851..5015, 5035..5160, 5043..5180		

Seq. No.	47933	Seq. ID	OJ000224_01.0323.C12
Gene No.	102025	Strand	-
Start	6093	End	6637
Name	OJ000224_01.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	4645	End	5334
GI	none	Score	124
Exons	4645..4794, 4833..5003, 4834..5007, 5031..5168, 5038..5169, 5221..5334		

Seq. No.	47933	Seq. ID	OJ000224_01.0323.C12
Gene No.	102025	Strand	-
Start	6093	End	6637
Name	OJ000224_01.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	4645	End	5334
GI	none	Score	134
Exons	4645..4794, 4647..4766, 4819..5007, 4836..5003, 5038..5334, 5046..5153		

Seq. No.	47933	Seq. ID	OJ000224_01.0323.C12
Gene No.	102025	Strand	-
Start	6093	End	6637
Name	OJ000224_01.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	4665	End	5076
GI	none	Score	157
Exons	4665..4796, 4666..4797, 4815..5018, 4816..5019, 5017..5076		

Seq. No.	47933	Seq. ID	OJ000224_01.0323.C12
Gene No.	102025	Strand	-
Start	6093	End	6637
Name	OJ000224_01.0323.C12.o2.np	Method	AAT/NAP
Start	6093	End	6637
GI	6539585	Score	175
Exons	6093..6164, 6465..6637		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	47934	Seq. ID	OJ000224_01.0323.C13
Gene No.	102026	Strand	+
Start	1698	End	1820
Name	OJ000224_01.0323.C13.o1.np	Method	AAT/NAP
Start	1698	End	1820
GI	6983864	Score	76
Exons	1698..1820		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102027	Strand	+
Start	553	End	13141
Name	OJ000224_01.0323.C14.o1.gs	Method	GENSCAN
Start	553	End	13141
GI	none	Score	.43
Exons	553..590, 856..1031, 3189..3236, 3548..3637, 3674..4175, 4890..5014, 5957..6223, 6298..6539, 6827..6944, 7512..7981, 8124..8178, 8254..8388, 8431..9536, 9600..11051, 11085..11208, 11247..12453, 12505..13141		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102027	Strand	+

Start	553	End	13141
Name	OJ000224_01.0323.C14.o1.np	Method	AAT/NAP
Start	3748	End	13138
GI	7228457	Score	8816
Exons	3748..4114, 7600..9536, 9600..10434, 10557..11521, 11588..13138		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102028	Strand	+
Start	15569	End	17483
Name	OJ000224_01.0323.C14.o3.np	Method	AAT/NAP
Start	15569	End	17483
GI	6907087	Score	1098
Exons	15569..16056, 16126..16223, 16360..16831, 17382..17483		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102029	Strand	+
Start	17948	End	18331
Name	OJ000224_01.0323.C14.o2.gp	Method	AAT/GAP
Start	17948	End	18331
GI	uC-osf1cyp033a04b1	Score	657
Exons	17948..18331		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102030	Strand	+
Start	19590	End	20817
Name	OJ000224_01.0323.C14.o4.gs	Method	GENSCAN
Start	19590	End	20756
GI	none	Score	.9
Exons	19590..20756		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102030	Strand	+
Start	19590	End	20817
Name	OJ000224_01.0323.C14.o5.np	Method	AAT/NAP
Start	19621	End	20817
GI	6983860	Score	647
Exons	19621..20478, 20682..20817		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o5.tw	Method	TBLASTX:Wheat
Start	7826	End	8218
GI	none	Score	58
Exons	7826..7873, 7880..7978, 7885..7977, 7945..8184, 7961..8218		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14

Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o5.tm	Method	TBLASTX:Maize
Start	7831	End	8116
GI	none	Score	196
Exons	7831..8115, 7868..8116		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o3.tw	Method	TBLASTX:Wheat
Start	8957	End	14664
GI	none	Score	405
Exons	8957..9130, 8958..9443, 9152..9412, 14473..14664		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o1.tw	Method	TBLASTX:Wheat
Start	9607	End	10070
GI	none	Score	583
Exons	9607..9765, 9608..10063, 9609..10070, 9609..10064		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o2.ts	Method	TBLASTX:Soybean
Start	9648	End	10013
GI	none	Score	114
Exons	9648..9872, 9849..10013		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	9738	End	10094
GI	none	Score	385
Exons	9738..10094, 9773..10084, 9789..10094		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o3.tm	Method	TBLASTX:Maize
Start	10121	End	10505
GI	none	Score	357
Exons	10121..10486, 10122..10505		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o2.tw	Method	TBLASTX:Wheat
Start	10178	End	10598
GI	none	Score	489
Exons	10178..10591, 10179..10598		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-

Start	13775	End	19830
Name	OJ000224_01.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	10257	End	10628
GI	none	Score	279
Exons	10257..10628, 10274..10417		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o8.tw	Method	TBLASTX:Wheat
Start	11348	End	11734
GI	none	Score	146
Exons	11348..11500, 11351..11587, 11362..11691, 11424..11576, 11561..11734		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o2.tm	Method	TBLASTX:Maize
Start	12008	End	12340
GI	none	Score	366
Exons	12008..12331, 12037..12318, 12128..12340		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o4.tw	Method	TBLASTX:Wheat
Start	12145	End	12526
GI	none	Score	371
Exons	12145..12201, 12146..12526, 12242..12487, 12247..12492		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o7.tw	Method	TBLASTX:Wheat
Start	12527	End	13129
GI	none	Score	260
Exons	12527..12811, 12531..12590, 12532..12630, 12670..12810, 13003..13125, 13004..13129		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o6.tm	Method	TBLASTX:Maize
Start	12998	End	13179
GI	none	Score	195
Exons	12998..13165, 13003..13179		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o2.np	Method	AAT/NAP
Start	13775	End	17939
GI	5803259	Score	1461
Exons	13775..14836, 15630..15921, 15956..16266, 16489..16895, 17833..17939		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o3.gs	Method	GENSCAN
Start	17376	End	17988
GI	none	Score	.99
Exons	17376..17482, 17928..17988		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102031	Strand	-
Start	13775	End	19830
Name	OJ000224_01.0323.C14.o4.np	Method	AAT/NAP
Start	17877	End	19830
GI	4680186	Score	206
Exons	17877..18099, 19807..19830		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102032	Strand	
Start	19812	End	20351
Name	OJ000224_01.0323.C14.o6.tw	Method	TBLASTX:Wheat
Start	19812	End	20171
GI	none	Score	281
Exons	19812..20171, 19814..20167		

Seq. No.	47935	Seq. ID	OJ000224_01.0323.C14
Gene No.	102032	Strand	
Start	19812	End	20351
Name	OJ000224_01.0323.C14.o4.tm	Method	TBLASTX:Maize
Start	20052	End	20351
GI	none	Score	227
Exons	20052..20351, 20066..20155		

Seq. No.	47936	Seq. ID	OJ000224_01.0323.C15
Gene No.	102033	Strand	-
Start	1	End	2437
Name	OJ000224_01.0323.C15.o1.gp	Method	AAT/GAP
Start	1	End	61
GI	uC-osflM202074a03a1	Score	114
Exons	1..61		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 4.0e-38 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	47936	Seq. ID	OJ000224_01.0323.C15
Gene No.	102033	Strand	-
Start	1	End	2437
Name	OJ000224_01.0323.C15.o1.np	Method	AAT/NAP
Start	1	End	2437
GI	5803259	Score	3295
Exons	1..764, 849..1078, 1176..2437		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	47936	Seq. ID	OJ000224_01.0323.C15
Gene No.	102033	Strand	-
Start	1	End	2437
Name	OJ000224_01.0323.C15.o1.gs	Method	GENSCAN

Start	97	End	2437
GI	none	Score	.9
Exons	97..1078, 1176..2437		

Seq. No.	47936	Seq. ID	OJ000224_01.0323.C15
Gene No.	102034	Strand	-
Start	3074	End	3199
Name	OJ000224_01.0323.C15.o2.np	Method	AAT/NAP
Start	3074	End	3199
GI	7523512	Score	108
Exons	3074..3199		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47937	Seq. ID	OJ000224_01.0323.C16
Gene No.	102035	Strand	+
Start	1	End	81
Name	OJ000224_01.0323.C16.o1.np	Method	AAT/NAP
Start	1	End	81
GI	5042454	Score	88
Exons	1..81		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47937	Seq. ID	OJ000224_01.0323.C16
Gene No.	102037	Strand	+
Start	1	End	5200
Name	OJ000224_01.0323.C16.o3.np	Method	AAT/NAP
Start	1	End	3352
GI	81286	Score	126
Exons	1..78, 2386..2929, 3232..3352		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	47937	Seq. ID	OJ000224_01.0323.C16
Gene No.	102037	Strand	+
Start	1	End	5200
Name	OJ000224_01.0323.C16.o1.gs	Method	GENSCAN
Start	2428	End	5200
GI	none	Score	.45
Exons	2428..2575, 3232..3500, 4094..4227, 5127..5200		

Seq. No.	47938	Seq. ID	OJ000224_01.0323.C17
Gene No.	102038	Strand	+
Start	1	End	727
Name	OJ000224_01.0323.C17.o1.np	Method	AAT/NAP
Start	1	End	697
GI	1346396	Score	604
Exons	1..697		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	47938	Seq. ID	OJ000224_01.0323.C17
Gene No.	102038	Strand	+

Start	1	End	727
Name	OJ000224_01.0323.C17.o1.tc	Method	TBLASTX:Cress
Start	2	End	640
GI	none	Score	112
Exons	2..112, 125..319, 136..327, 334..474, 344..460, 542..640		

Seq. No.	47938	Seq. ID	OJ000224_01.0323.C17
Gene No.	102038	Strand	+
Start	1	End	727
Name	OJ000224_01.0323.C17.o1.tm	Method	TBLASTX:Maize
Start	5	End	460
GI	none	Score	366
Exons	5..460, 12..101, 109..381		

Seq. No.	47938	Seq. ID	OJ000224_01.0323.C17
Gene No.	102038	Strand	+
Start	1	End	727
Name	OJ000224_01.0323.C17.o1.ts	Method	TBLASTX:Soybean
Start	5	End	462
GI	none	Score	143
Exons	5..139, 119..460, 277..462, 277..381		

Seq. No.	47938	Seq. ID	OJ000224_01.0323.C17
Gene No.	102038	Strand	+
Start	1	End	727
Name	OJ000224_01.0323.C17.o1.tw	Method	TBLASTX:Wheat
Start	5	End	405
GI	none	Score	150
Exons	5..127, 16..54, 121..405, 132..335, 137..376		

Seq. No.	47938	Seq. ID	OJ000224_01.0323.C17
Gene No.	102038	Strand	+
Start	1	End	727
Name	OJ000224_01.0323.C17.o1.gs	Method	GENSCAN
Start	32	End	727
GI	none	Score	.74
Exons	32..727		

Seq. No.	47939	Seq. ID	OJ000224_01.0323.C18
Gene No.	102039	Strand	+
Start	922	End	2135
Name	OJ000224_01.0323.C18.o1.gs	Method	GENSCAN
Start	922	End	2135
GI	none	Score	.64
Exons	922..1106, 1818..1855, 1947..1972, 2013..2135		

Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o1.gs	Method	GENSCAN
Start	140	End	6041
GI	none	Score	.47
Exons	140..322, 346..428, 565..665, 711..846, 868..1796, 1820..1957, 2010..2521, 2654..2791, 2828..2951, 3006..3300, 3345..3902, 3929..6041		

Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19

Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o1.np	Method	AAT/NAP
Start	175	End	6236
GI	7228457	Score	6255
Exons	175..620, 694..2536, 2600..3442, 3565..4443, 4510..4822, 4864..6037, 6216..6236		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o4.tm	Method	TBLASTX:Maize
Start	883	End	1132
GI	none	Score	189
Exons	883..1131, 884..1132		

Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o6.tw	Method	TBLASTX:Wheat
Start	892	End	1234
GI	none	Score	110
Exons	892..1002, 896..994, 976..1200, 977..1234		

Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o3.tw	Method	TBLASTX:Wheat
Start	1969	End	2500
GI	none	Score	408
Exons	1969..2142, 1970..2500, 1970..2398, 2164..2424		

Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o1.tw	Method	TBLASTX:Wheat
Start	2607	End	3079
GI	none	Score	80
Exons	2607..2765, 2609..2773, 2816..3037, 2819..3079, 2836..3078		

Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o2.tm	Method	TBLASTX:Maize
Start	2819	End	3103
GI	none	Score	338
Exons	2819..3103, 2827..3093		

Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o3.tm	Method	TBLASTX:Maize
Start	3130	End	3513
GI	none	Score	287

Exons	3130..3414, 3131..3415, 3403..3513		
Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o2.tw	Method	TBLASTX:Wheat
Start	3188	End	3611
GI	none	Score	279
Exons	3188..3409, 3193..3408, 3400..3606, 3426..3611		
Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o1.ts	Method	TBLASTX:Soybean
Start	3266	End	3636
GI	none	Score	154
Exons	3266..3409, 3280..3408, 3406..3636		
Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o5.tw	Method	TBLASTX:Wheat
Start	3972	End	4421
GI	none	Score	227
Exons	3972..4196, 4040..4195, 4065..4202, 4269..4421, 4280..4420		
Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o2.ts	Method	TBLASTX:Soybean
Start	4095	End	4520
GI	none	Score	89
Exons	4095..4208, 4284..4520		
Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o8.tw	Method	TBLASTX:Wheat
Start	4461	End	4727
GI	none	Score	198
Exons	4461..4727		
Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o1.tm	Method	TBLASTX:Maize
Start	4971	End	5294
GI	none	Score	356
Exons	4971..5294, 4988..5284		
Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o4.tw	Method	TBLASTX:Wheat
Start	5108	End	5503
GI	none	Score	395
Exons	5108..5503, 5109..5489		

Seq. No.	47940	Seq. ID	OJ000224_01.0323.C19
Gene No.	102040	Strand	+
Start	140	End	6236
Name	OJ000224_01.0323.C19.o7.tw	Method	TBLASTX:Wheat
Start	5505	End	6038
GI	none	Score	251
Exons	5505..5780, 5516..5581, 5633..5782, 5898..5936, 5967..6038		

Seq. No.	47941	Seq. ID	OJ000224_01.0323.C20
Gene No.	102041	Strand	+
Start	120	End	3469
Name	OJ000224_01.0323.C20.o1.gs	Method	GENSCAN
Start	120	End	3469
GI	none	Score	.63
Exons	120..397, 1228..1250, 1512..1572, 1704..1815, 2235..2424, 2845..2924, 3018..3111, 3249..3469		

Seq. No.	47941	Seq. ID	OJ000224_01.0323.C20
Gene No.	102042	Strand	+
Start	4946	End	5058
Name	OJ000224_01.0323.C20.o1.gp	Method	AAT/GAP
Start	4946	End	5058
GI	uC-osflcyp088b12b1	Score	166
Exons	4946..5058		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47941	Seq. ID	OJ000224_01.0323.C20
Gene No.	102043	Strand	-
Start	3700	End	4860
Name	OJ000224_01.0323.C20.o2.gs	Method	GENSCAN
Start	3700	End	4860
GI	none	Score	.52
Exons	3700..3779, 3934..3982, 4271..4316, 4330..4448, 4831..4860		

Seq. No.	47941	Seq. ID	OJ000224_01.0323.C20
Gene No.	102044	Strand	-
Start	6026	End	9339
Name	OJ000224_01.0323.C20.o1.np	Method	AAT/NAP
Start	6005	End	9339
GI	6907089	Score	2003
Exons	6005..6676, 6782..6988, 7082..9339		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47941	Seq. ID	OJ000224_01.0323.C20
Gene No.	102044	Strand	-
Start	6026	End	9339
Name	OJ000224_01.0323.C20.o3.gs	Method	GENSCAN
Start	6026	End	9330
GI	none	Score	.63
Exons	6026..7258, 7418..7570, 7851..7950, 8067..8188, 8197..9330		

Seq. No.	47942	Seq. ID	OJ000224_01.0323.C21
Gene No.	102045	Strand	+
Start	4327	End	4509
Name	OJ000224_01.0323.C21.o2.gs	Method	GENSCAN

Start	4327	End	4509
GI	none	Score	.85
Exons	4327..4509		

Seq. No.	47942	Seq. ID	OJ000224_01.0323.C21
Gene No.	102046	Strand	+
Start	6491	End	7642
Name	OJ000224_01.0323.C21.o2.np	Method	AAT/NAP
Start	6491	End	7642
GI	6907106	Score	401
Exons	6491..6625, 6838..7146, 7179..7400, 7474..7642		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47942	Seq. ID	OJ000224_01.0323.C21
Gene No.	102047	Strand	-
Start	969	End	3440
Name	OJ000224_01.0323.C21.o1.gs	Method	GENSCAN
Start	969	End	3428
GI	none	Score	1
Exons	969..3428		

Seq. No.	47942	Seq. ID	OJ000224_01.0323.C21
Gene No.	102047	Strand	-
Start	969	End	3440
Name	OJ000224_01.0323.C21.o1.np	Method	AAT/NAP
Start	999	End	3440
GI	1346396	Score	1445
Exons	999..2384, 2411..3440		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	47942	Seq. ID	OJ000224_01.0323.C21
Gene No.	102048	Strand	-
Start	4965	End	10436
Name	OJ000224_01.0323.C21.o1.tm	Method	TBLASTX:Maize
Start	1044	End	1841
GI	none	Score	63
Exons	1044..1175, 1227..1358, 1243..1365, 1389..1562, 1393..1563, 1599..1748, 1767..1841		

Seq. No.	47942	Seq. ID	OJ000224_01.0323.C21
Gene No.	102048	Strand	-
Start	4965	End	10436
Name	OJ000224_01.0323.C21.o1.tc	Method	TBLASTX:Cress
Start	1227	End	3005
GI	none	Score	96
Exons	1227..1361, 1228..1362, 1392..1556, 1393..1548, 1596..1814, 1660..1743, 1797..1895, 2934..3005		

Seq. No.	47942	Seq. ID	OJ000224_01.0323.C21
Gene No.	102048	Strand	-

Start	4965	End	10436
Name	OJ000224_01.0323.C21.o1.ts	Method	TBLASTX:Soybean
Start	1242	End	1844
GI	none	Score	49
Exons	1242..1358, 1315..1359, 1380..1577, 1393..1536, 1578..1844		

Seq. No.	47942	Seq. ID	OJ000224_01.0323.C21
Gene No.	102048	Strand	-
Start	4965	End	10436
Name	OJ000224_01.0323.C21.o1.tw	Method	TBLASTX:Wheat
Start	1320	End	1727
GI	none	Score	192
Exons	1320..1379, 1377..1559, 1378..1572, 1596..1727, 1597..1725		

Seq. No.	47942	Seq. ID	OJ000224_01.0323.C21
Gene No.	102048	Strand	-
Start	4965	End	10436
Name	OJ000224_01.0323.C21.o2.tm	Method	TBLASTX:Maize
Start	2757	End	3062
GI	none	Score	74
Exons	2757..2981, 2761..2850, 2902..2982, 2988..3062		

Seq. No.	47942	Seq. ID	OJ000224_01.0323.C21
Gene No.	102048	Strand	-
Start	4965	End	10436
Name	OJ000224_01.0323.C21.o2.ts	Method	TBLASTX:Soybean
Start	3066	End	3329
GI	none	Score	110
Exons	3066..3239, 3216..3329		

Seq. No.	47942	Seq. ID	OJ000224_01.0323.C21
Gene No.	102048	Strand	-
Start	4965	End	10436
Name	OJ000224_01.0323.C21.o3.gs	Method	GENSCAN
Start	4965	End	10436
GI	none	Score	.55
Exons	4965..5093, 6385..6539, 6581..7180, 7721..7924, 9201..9288, 9525..9551, 9989..10134, 10388..10436		

Seq. No.	47943	Seq. ID	OJ000224_01.0323.C24
Gene No.	102049	Strand	-
Start	505	End	588
Name	OJ000224_01.0323.C24.o1.gs	Method	GENSCAN
Start	505	End	588
GI	none	Score	.86
Exons	505..588		

Seq. No.	47944	Seq. ID	OJ000224_01.0323.C26
Gene No.	102050	Strand	+
Start	1005	End	2116
Name	OJ000224_01.0323.C26.o1.gs	Method	GENSCAN
Start	1005	End	2100
GI	none	Score	.56
Exons	1005..2100		

Seq. No.	47944	Seq. ID	OJ000224_01.0323.C26
Gene No.	102050	Strand	+

Start	1005	End	2116
Name	OJ000224_01.0323.C26.o1.ts	Method	TBLASTX:Soybean
Start	1017	End	1352
GI	none	Score	123
Exons	1017..1172, 1065..1166, 1167..1352, 1185..1310		

Seq. No.	47944	Seq. ID	OJ000224_01.0323.C26
Gene No.	102050	Strand	+
Start	1005	End	2116
Name	OJ000224_01.0323.C26.o1.np	Method	AAT/NAP
Start	1095	End	2116
GI	2598067	Score	718
Exons	1095..2116		
GI Descrip.	(AJ001486) Ser/Thr protein kinase [Zea mays]		

Seq. No.	47944	Seq. ID	OJ000224_01.0323.C26
Gene No.	102050	Strand	+
Start	1005	End	2116
Name	OJ000224_01.0323.C26.o1.tm	Method	TBLASTX:Maize
Start	1304	End	1610
GI	none	Score	65
Exons	1304..1375, 1305..1373, 1352..1468, 1365..1610, 1383..1610		

Seq. No.	47945	Seq. ID	OJ000224_01.0323.C27
Gene No.	102051	Strand	+
Start	1	End	438
Name	OJ000224_01.0323.C27.o1.np	Method	AAT/NAP
Start	1	End	408
GI	479356	Score	247
Exons	1..408		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		

Seq. No.	47945	Seq. ID	OJ000224_01.0323.C27
Gene No.	102051	Strand	+
Start	1	End	438
Name	OJ000224_01.0323.C27.o1.gs	Method	GENSCAN
Start	76	End	438
GI	none	Score	.59
Exons	76..438		

Seq. No.	47945	Seq. ID	OJ000224_01.0323.C27
Gene No.	102052	Strand	-
Start	1343	End	1765
Name	OJ000224_01.0323.C27.o2.gs	Method	GENSCAN
Start	1343	End	1765
GI	none	Score	.89
Exons	1343..1765		

Seq. No.	47946	Seq. ID	OJ000224_02.0322.C1
Gene No.	102053	Strand	+
Start	1	End	1422
Name	OJ000224_02.0322.C1.o1.np	Method	AAT/NAP
Start	1	End	1422
GI	6742729	Score	2090
Exons	1..1422		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	47946	Seq. ID	OJ000224_02.0322.C1
Gene No.	102053	Strand	+
Start	1	End	1422
Name	OJ000224_02.0322.C1.o1.gs	Method	GENSCAN
Start	98	End	1040
GI	none	Score	.42
Exons	98..176, 403..1040		

Seq. No.	47946	Seq. ID	OJ000224_02.0322.C1
Gene No.	102054	Strand	-
Start	1364	End	2894
Name	OJ000224_02.0322.C1.o2.tw	Method	TBLASTX:Wheat
Start	194	End	599
GI	none	Score	79
Exons	194..244, 195..257, 243..485, 263..484, 274..486, 515..598, 518..598, 519..599		

Seq. No.	47946	Seq. ID	OJ000224_02.0322.C1
Gene No.	102054	Strand	-
Start	1364	End	2894
Name	OJ000224_02.0322.C1.o1.tw	Method	TBLASTX:Wheat
Start	600	End	1900
GI	none	Score	542
Exons	600..785, 605..1078, 606..1031, 998..1507, 1036..1467, 1175..1474, 1482..1547, 1502..1546, 1549..1602, 1553..1612, 1591..1731, 1619..1738, 1622..1738, 1660..1740, 1744..1797, 1745..1825, 1814..1900, 1818..1889, 1840..1896		

Seq. No.	47946	Seq. ID	OJ000224_02.0322.C1
Gene No.	102054	Strand	-
Start	1364	End	2894
Name	OJ000224_02.0322.C1.o1.tm	Method	TBLASTX:Maize
Start	648	End	962
GI	none	Score	301
Exons	648..962, 665..934		

Seq. No.	47946	Seq. ID	OJ000224_02.0322.C1
Gene No.	102054	Strand	-
Start	1364	End	2894
Name	OJ000224_02.0322.C1.o1.tc	Method	TBLASTX:Cress
Start	893	End	1324
GI	none	Score	176
Exons	893..1078, 897..1031, 998..1324, 1036..1320, 1175..1324		

Seq. No.	47946	Seq. ID	OJ000224_02.0322.C1
Gene No.	102054	Strand	-
Start	1364	End	2894
Name	OJ000224_02.0322.C1.o2.gs	Method	GENSCAN
Start	1364	End	2894
GI	none	Score	.42
Exons	1364..1715, 2704..2894		

Seq. No.	47947	Seq. ID	OJ000224_02.0322.C2
Gene No.	102055	Strand	+
Start	1315	End	2770
Name	OJ000224_02.0322.C2.o1.np	Method	AAT/NAP
Start	1315	End	2770

GI	4680204	Score	654
Exons	1315..2770		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	47947	Seq. ID	OJ000224_02.0322.C2
Gene No.	102055	Strand	+
Start	1315	End	2770
Name	OJ000224_02.0322.C2.o1.tw	Method	TBLASTX:Wheat
Start	1955	End	2358
GI	none	Score	196
Exons	1955..2071, 1957..2190, 1957..2151, 2064..2198, 2188..2358, 2241..2357		

Seq. No.	47948	Seq. ID	OJ000224_02.0322.C3
Gene No.	102056	Strand	+
Start	63	End	2292
Name	OJ000224_02.0322.C3.o1.gs	Method	GENSCAN
Start	63	End	2292
GI	none	Score	.83
Exons	63..190, 532..900, 973..1185, 1274..1447, 1578..1646, 1747..1819, 1915..2013, 2113..2292		

Seq. No.	47948	Seq. ID	OJ000224_02.0322.C3
Gene No.	102057	Strand	-
Start	4194	End	4434
Name	OJ000224_02.0322.C3.o2.gs	Method	GENSCAN
Start	4194	End	4434
GI	none	Score	.96
Exons	4194..4329, 4358..4434		

Seq. No.	47949	Seq. ID	OJ000224_02.0322.C4
Gene No.	102058	Strand	+
Start	95	End	846
Name	OJ000224_02.0322.C4.o1.gs	Method	GENSCAN
Start	95	End	846
GI	none	Score	.54
Exons	95..251, 345..503, 559..651, 736..846		

Seq. No.	47950	Seq. ID	OJ000224_02.0322.C5
Gene No.	102059	Strand	-
Start	167	End	392
Name	OJ000224_02.0322.C5.o1.gs	Method	GENSCAN
Start	167	End	392
GI	none	Score	.4
Exons	167..264, 344..392		

Seq. No.	47951	Seq. ID	OJ000224_02.0322.C6
Gene No.	102060	Strand	+
Start	1	End	2520
Name	OJ000224_02.0322.C6.o1.np	Method	AAT/NAP
Start	1	End	2414
GI	4996105	Score	589
Exons	1..38, 162..403, 1985..2178, 2277..2414		
GI Descrip.	(AB014076) histidine decarboxylase [Brassica napus]		

Seq. No.	47951	Seq. ID	OJ000224_02.0322.C6
Gene No.	102060	Strand	+

Start	1	End	2520
Name	OJ000224_02.0322.C6.o1.gs	Method	GENSCAN
Start	172	End	2520
GI	none	Score	.85
Exons	172..403, 1985..2100, 2277..2410, 2509..2520		

Seq. No.	47951	Seq. ID	OJ000224_02.0322.C6
Gene No.	102061	Strand	-
Start	2747	End	3394
Name	OJ000224_02.0322.C6.o1.ts	Method	TBLASTX:Soybean
Start	170	End	2407
GI	none	Score	309
Exons	170..403, 171..404, 183..404, 262..408, 1983..2123, 1985..2182, 1986..2183, 2267..2350, 2276..2344, 2348..2407, 2350..2397		

Seq. No.	47951	Seq. ID	OJ000224_02.0322.C6
Gene No.	102061	Strand	-
Start	2747	End	3394
Name	OJ000224_02.0322.C6.o2.gs	Method	GENSCAN
Start	2747	End	3394
GI	none	Score	.87
Exons	2747..2860, 3350..3394		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o1.np	Method	AAT/NAP
Start	1302	End	5668
GI	4680179	Score	6154
Exons	1302..5668		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o1.gs	Method	GENSCAN
Start	1305	End	5538
GI	none	Score	.53
Exons	1305..2100, 2175..4141, 4323..4898, 5187..5538		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o6.tw	Method	TBLASTX:Wheat
Start	1571	End	1934
GI	none	Score	278
Exons	1571..1675, 1575..1934, 1700..1912		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o6.tm	Method	TBLASTX:Maize
Start	1815	End	2111
GI	none	Score	200
Exons	1815..2111, 1832..1912		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7

Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o7.tm	Method	TBLASTX:Maize
Start	2456	End	2776
GI	none	Score	197
Exons	2456..2776		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o7.tw	Method	TBLASTX:Wheat
Start	2509	End	2863
GI	none	Score	256
Exons	2509..2649, 2510..2863, 2693..2827		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o4.tw	Method	TBLASTX:Wheat
Start	3034	End	3520
GI	none	Score	536
Exons	3034..3477, 3038..3520		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o5.tm	Method	TBLASTX:Maize
Start	3047	End	3339
GI	none	Score	320
Exons	3047..3337, 3049..3120, 3148..3339		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o4.ts	Method	TBLASTX:Soybean
Start	3107	End	3388
GI	none	Score	180
Exons	3107..3388, 3190..3387		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o3.tm	Method	TBLASTX:Maize
Start	3407	End	3907
GI	none	Score	157
Exons	3407..3586, 3572..3907		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o1.ts	Method	TBLASTX:Soybean
Start	3461	End	3856
GI	none	Score	57
Exons	3461..3493, 3461..3505, 3497..3856, 3497..3574, 3561..3638, 3613..3855		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7

Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o5.tw	Method	TBLASTX:Wheat
Start	3569	End	3871
GI	none	Score	395
Exons	3569..3871, 3607..3870		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o2.tw	Method	TBLASTX:Wheat
Start	3872	End	4370
GI	none	Score	624
Exons	3872..4297, 3904..4290, 3999..4370		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o3.ts	Method	TBLASTX:Soybean
Start	3881	End	4123
GI	none	Score	198
Exons	3881..4123		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o2.tm	Method	TBLASTX:Maize
Start	3944	End	4297
GI	none	Score	472
Exons	3944..4297, 3964..4212, 3986..4282		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o3.tw	Method	TBLASTX:Wheat
Start	4383	End	4862
GI	none	Score	573
Exons	4383..4862, 4401..4856, 4478..4861		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o2.ts	Method	TBLASTX:Soybean
Start	4650	End	4910
GI	none	Score	288
Exons	4650..4910, 4655..4756, 4842..4910		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o4.tm	Method	TBLASTX:Maize
Start	4708	End	5000
GI	none	Score	381
Exons	4708..4899, 4710..5000, 4779..4991, 4811..4996		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+

Start	1302	End	5668
Name	OJ000224_02.0322.C7.o1.tw	Method	TBLASTX:Wheat
Start	4869	End	5495
GI	none	Score	652
Exons	4869..5495, 4925..5494		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o1.tm	Method	TBLASTX:Maize
Start	5049	End	5636
GI	none	Score	215
Exons	5049..5210, 5057..5203, 5208..5306, 5210..5305, 5367..5636, 5375..5635		

Seq. No.	47952	Seq. ID	OJ000224_02.0322.C7
Gene No.	102062	Strand	+
Start	1302	End	5668
Name	OJ000224_02.0322.C7.o8.tw	Method	TBLASTX:Wheat
Start	5495	End	5628
GI	none	Score	183
Exons	5495..5620, 5496..5621, 5499..5621, 5500..5628		

Seq. No.	47953	Seq. ID	OJ000224_02.0322.C8
Gene No.	102063	Strand	+
Start	580	End	770
Name	OJ000224_02.0322.C8.o1.gs	Method	GENSCAN
Start	580	End	770
GI	none	Score	.68
Exons	580..770		

Seq. No.	47953	Seq. ID	OJ000224_02.0322.C8
Gene No.	102064	Strand	-
Start	777	End	1545
Name	OJ000224_02.0322.C8.o1.np	Method	AAT/NAP
Start	777	End	1545
GI	4582447	Score	169
Exons	777..1120, 1365..1545		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	47953	Seq. ID	OJ000224_02.0322.C8
Gene No.	102064	Strand	-
Start	777	End	1545
Name	OJ000224_02.0322.C8.o1.tm	Method	TBLASTX:Maize
Start	780	End	1542
GI	none	Score	40
Exons	780..821, 805..924, 885..1109, 1006..1125, 1362..1496, 1483..1542		

Seq. No.	47953	Seq. ID	OJ000224_02.0322.C8
Gene No.	102064	Strand	-
Start	777	End	1545
Name	OJ000224_02.0322.C8.o1.tw	Method	TBLASTX:Wheat
Start	783	End	1110
GI	none	Score	86
Exons	783..923, 927..1109, 1006..1110		

Seq. No.	47954	Seq. ID	OJ000224_02.0322.C9
Gene No.	102065	Strand	+
Start	633	End	2018
Name	OJ000224_02.0322.C9.o1.np	Method	AAT/NAP
Start	633	End	2018
GI	7340881	Score	619
Exons	633..719, 866..989, 1082..1182, 1269..1592, 1985..2018		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	47955	Seq. ID	OJ000224_02.0322.C10
Gene No.	102066	Strand	+
Start	30	End	2092
Name	OJ000224_02.0322.C10.o1.gs	Method	GENSCAN
Start	30	End	2020
GI	none	Score	.74
Exons	30..192, 1917..2020		

Seq. No.	47955	Seq. ID	OJ000224_02.0322.C10
Gene No.	102066	Strand	+
Start	30	End	2092
Name	OJ000224_02.0322.C10.o1.np	Method	AAT/NAP
Start	30	End	2092
GI	6721561	Score	92
Exons	30..139, 2038..2092		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47955	Seq. ID	OJ000224_02.0322.C10
Gene No.	102067	Strand	-
Start	5491	End	5980
Name	OJ000224_02.0322.C10.o3.gs	Method	GENSCAN
Start	5491	End	5980
GI	none	Score	.76
Exons	5491..5980		

Seq. No.	47956	Seq. ID	OJ000224_02.0322.C11
Gene No.	102068	Strand	+
Start	474	End	5302
Name	OJ000224_02.0322.C11.o1.gs	Method	GENSCAN
Start	474	End	3563
GI	none	Score	.51
Exons	474..589, 2684..2867, 3304..3374, 3413..3563		

Seq. No.	47956	Seq. ID	OJ000224_02.0322.C11
Gene No.	102068	Strand	+
Start	474	End	5302
Name	OJ000224_02.0322.C11.o1.np	Method	AAT/NAP
Start	496	End	1840
GI	6630699	Score	82
Exons	496..520, 1728..1840		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	47956	Seq. ID	OJ000224_02.0322.C11
Gene No.	102068	Strand	+
Start	474	End	5302
Name	OJ000224_02.0322.C11.o2.np	Method	AAT/NAP
Start	2628	End	5302
GI	6539570	Score	203
Exons	2628..2822, 2991..3057, 3404..3523, 5289..5302		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	47956	Seq. ID	OJ000224_02.0322.C11
Gene No.	102069	Strand	+
Start	6578	End	8561
Name	OJ000224_02.0322.C11.o2.gs	Method	GENSCAN
Start	6578	End	8561
GI	none	Score	.52
Exons	6578..6697, 7021..7293, 7936..8065, 8527..8561		

Seq. No.	47956	Seq. ID	OJ000224_02.0322.C11
Gene No.	102070	Strand	-
Start	5694	End	7505
Name	OJ000224_02.0322.C11.o3.np	Method	AAT/NAP
Start	5694	End	7505
GI	6630686	Score	70
Exons	5694..5778, 5983..6102, 7216..7394, 7459..7505		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

Seq. No.	47957	Seq. ID	OJ000224_02.0322.C12
Gene No.	102071	Strand	+
Start	1	End	7015
Name	OJ000224_02.0322.C12.o1.np	Method	AAT/NAP
Start	1	End	7015
GI	6466937	Score	790
Exons	1..324, 1010..1103, 2444..3898, 6993..7015		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	47957	Seq. ID	OJ000224_02.0322.C12
Gene No.	102071	Strand	+
Start	1	End	7015
Name	OJ000224_02.0322.C12.o1.gs	Method	GENSCAN
Start	93	End	568
GI	none	Score	.97
Exons	93..251, 342..425, 471..568		

Seq. No.	47957	Seq. ID	OJ000224_02.0322.C12
Gene No.	102072	Strand	-
Start	389	End	12150
Name	OJ000224_02.0322.C12.o2.np	Method	AAT/NAP
Start	389	End	12150
GI	5901928	Score	59
Exons	389..560, 637..794, 5164..5339, 7653..7835, 11676..11747, 11890..12150		
GI Descrip.	pre-mRNA cleavage factor Im (68kD) gi|1362819|pir||S57447 HPBRII-7 protein - human gi|871299|emb|CAA47752.1| (X67337) Human pre-mRNA cleavage factor I 68 kDa subunit [Homo sapiens] gi|871301|emb|CAA47751.1| (X67336) HPBRII-7 [Homo sapiens]		

Seq. No.	47957	Seq. ID	OJ000224_02.0322.C12
Gene No.	102072	Strand	-
Start	389	End	12150
Name	OJ000224_02.0322.C12.o2.gs	Method	GENSCAN
Start	993	End	8022
GI	none	Score	.5
Exons	993..1081, 1488..1611, 2086..2223, 3747..3861, 4970..5199, 6345..6468, 7958..8022		

Seq. No.	47957	Seq. ID	OJ000224_02.0322.C12
Gene No.	102072	Strand	-
Start	389	End	12150
Name	OJ000224_02.0322.C12.o2.tm	Method	TBLASTX:Maize
Start	2597	End	2926
GI	none	Score	232
Exons	2597..2881, 2630..2926		

Seq. No.	47957	Seq. ID	OJ000224_02.0322.C12
Gene No.	102072	Strand	-
Start	389	End	12150
Name	OJ000224_02.0322.C12.o1.tw	Method	TBLASTX:Wheat
Start	3119	End	3601
GI	none	Score	47
Exons	3119..3283, 3276..3365, 3347..3601		

Seq. No.	47957	Seq. ID	OJ000224_02.0322.C12
Gene No.	102072	Strand	-
Start	389	End	12150
Name	OJ000224_02.0322.C12.o1.tm	Method	TBLASTX:Maize
Start	3182	End	3640
GI	none	Score	68
Exons	3182..3283, 3184..3279, 3276..3353, 3279..3332, 3347..3640, 3349..3624, 3353..3625		

Seq. No.	47957	Seq. ID	OJ000224_02.0322.C12
Gene No.	102072	Strand	-
Start	389	End	12150
Name	OJ000224_02.0322.C12.o3.tm	Method	TBLASTX:Maize
Start	3670	End	3901
GI	none	Score	70
Exons	3670..3717, 3680..3733, 3732..3869, 3743..3868, 3868..3897, 3869..3901		

Seq. No.	47957	Seq. ID	OJ000224_02.0322.C12
Gene No.	102072	Strand	-
Start	389	End	12150
Name	OJ000224_02.0322.C12.o3.gs	Method	GENSCAN
Start	10875	End	11957
GI	none	Score	.47
Exons	10875..10909, 11545..11721, 11778..11957		

Seq. No.	47958	Seq. ID	OJ000224_02.0322.C13
Gene No.	102073	Strand	+
Start	1611	End	2446
Name	OJ000224_02.0322.C13.o1.gs	Method	GENSCAN
Start	1611	End	2180

GI	none	Score	.91
Exons	1611..2180		

Seq. No.	47958	Seq. ID	OJ000224_02.0322.C13
Gene No.	102073	Strand	+
Start	1611	End	2446
Name	OJ000224_02.0322.C13.o1.np	Method	AAT/NAP
Start	1711	End	2446
GI	7523689	Score	255
Exons	1711..2446		
GI Descrip.	(AC009526) Similar to Athila ORF 1 [Arabidopsis thaliana]		

Seq. No.	47958	Seq. ID	OJ000224_02.0322.C13
Gene No.	102073	Strand	+
Start	1611	End	2446
Name	OJ000224_02.0322.C13.o1.tw	Method	TBLASTX:Wheat
Start	1917	End	2312
GI	none	Score	106
Exons	1917..2033, 2049..2264, 2238..2312		

Seq. No.	47959	Seq. ID	OJ000224_02.0322.C19
Gene No.	102074	Strand	-
Start	100	End	474
Name	OJ000224_02.0322.C19.o1.gs	Method	GENSCAN
Start	100	End	474
GI	none	Score	.94
Exons	100..213, 300..474		

Seq. No.	47960	Seq. ID	OJ000224_02.0322.C22
Gene No.	102075	Strand	-
Start	1	End	1618
Name	OJ000224_02.0322.C22.o1.np	Method	AAT/NAP
Start	1	End	1618
GI	7228457	Score	404
Exons	1..32, 1174..1618		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47960	Seq. ID	OJ000224_02.0322.C22
Gene No.	102075	Strand	-
Start	1	End	1618
Name	OJ000224_02.0322.C22.o1.gs	Method	GENSCAN
Start	1103	End	1521
GI	none	Score	.47
Exons	1103..1151, 1208..1521		

Seq. No.	47960	Seq. ID	OJ000224_02.0322.C22
Gene No.	102075	Strand	-
Start	1	End	1618
Name	OJ000224_02.0322.C22.o1.tw	Method	TBLASTX:Wheat
Start	1173	End	1576
GI	none	Score	115
Exons	1173..1322, 1174..1323, 1309..1575, 1309..1575, 1310..1576		

Seq. No.	47960	Seq. ID	OJ000224_02.0322.C22
Gene No.	102075	Strand	-

Start	1	End	1618
Name	OJ000224_02.0322.C22.o1.tm	Method	TBLASTX:Maize
Start	1176	End	1411
GI	none	Score	88
Exons	1176..1322, 1177..1317, 1309..1410, 1328..1411		

Seq. No.	47961	Seq. ID	OJ000224_02.0322.C23
Gene No.	102076	Strand	+
Start	1	End	959
Name	OJ000224_02.0322.C23.o1.np	Method	AAT/NAP
Start	1	End	959
GI	4680203	Score	587
Exons	1..20, 319..959		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	47961	Seq. ID	OJ000224_02.0322.C23
Gene No.	102076	Strand	+
Start	1	End	959
Name	OJ000224_02.0322.C23.o1.gs	Method	GENSCAN
Start	319	End	926
GI	none	Score	.81
Exons	319..926		

Seq. No.	47961	Seq. ID	OJ000224_02.0322.C23
Gene No.	102076	Strand	+
Start	1	End	959
Name	OJ000224_02.0322.C23.o1.gp	Method	AAT/GAP
Start	323	End	959
GI	342_1.R1084	Score	880
Exons	323..959		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	47961	Seq. ID	OJ000224_02.0322.C23
Gene No.	102076	Strand	+
Start	1	End	959
Name	OJ000224_02.0322.C23.o1.tw	Method	TBLASTX:Wheat
Start	656	End	959
GI	none	Score	82
Exons	656..763, 676..777, 760..957, 761..958, 768..959, 771..959		

Seq. No.	47962	Seq. ID	OJ000224_02.0322.C24
Gene No.	102077	Strand	+
Start	1	End	1204
Name	OJ000224_02.0322.C24.o1.np	Method	AAT/NAP
Start	1	End	1204
GI	4996105	Score	308
Exons	1..40, 910..1204		
GI Descrip.	(AB014076) histidine decarboxylase [Brassica napus]		

Seq. No.	47962	Seq. ID	OJ000224_02.0322.C24
Gene No.	102077	Strand	+
Start	1	End	1204
Name	OJ000224_02.0322.C24.o1.ts	Method	TBLASTX:Soybean
Start	914	End	1193
GI	none	Score	63
Exons	914..1018, 917..1018, 918..1031, 921..1031, 1032..1193,		

1052..1186

Seq. No.	47962	Seq. ID	OJ000224_02.0322.C24
Gene No.	102077	Strand	+
Start	1	End	1204
Name	OJ000224_02.0322.C24.o1.tm	Method	TBLASTX:Maize
Start	915	End	1204
GI	none	Score	167
Exons	915..1043, 917..1018, 1032..1196, 1040..1204		

Seq. No.	47962	Seq. ID	OJ000224_02.0322.C24
Gene No.	102077	Strand	+
Start	1	End	1204
Name	OJ000224_02.0322.C24.o1.tc	Method	TBLASTX:Cress
Start	986	End	1196
GI	none	Score	55
Exons	986..1030, 987..1043, 1035..1196		

Seq. No.	47963	Seq. ID	OJ000224_02.0322.C25
Gene No.	102078	Strand	+
Start	4093	End	4772
Name	OJ000224_02.0322.C25.o2.gs	Method	GENSCAN
Start	4093	End	4772
GI	none	Score	.98
Exons	4093..4772		

Seq. No.	47963	Seq. ID	OJ000224_02.0322.C25
Gene No.	102079	Strand	-
Start	143	End	1989
Name	OJ000224_02.0322.C25.o1.gs	Method	GENSCAN
Start	143	End	1989
GI	none	Score	.49
Exons	143..201, 1591..1650, 1758..1989		

Seq. No.	47963	Seq. ID	OJ000224_02.0322.C25
Gene No.	102080	Strand	-
Start	2896	End	4816
Name	OJ000224_02.0322.C25.o1.np	Method	AAT/NAP
Start	2896	End	4816
GI	6063554	Score	234
Exons	2896..3068, 4112..4160, 4245..4443, 4556..4816		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47964	Seq. ID	OJ000224_02.0322.C26
Gene No.	102081	Strand	-
Start	286	End	1920
Name	OJ000224_02.0322.C26.o1.gs	Method	GENSCAN
Start	286	End	1920
GI	none	Score	.43
Exons	286..413, 1845..1920		

Seq. No.	47965	Seq. ID	OJ000224_02.0322.C27
Gene No.	102082	Strand	+
Start	1483	End	4489
Name	OJ000224_02.0322.C27.o1.np	Method	AAT/NAP

Start	1483	End	4232
GI	6815109	Score	145
Exons	1483..1868, 4198..4232		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47965	Seq. ID	OJ000224_02.0322.C27
Gene No.	102082	Strand	+
Start	1483	End	4489
Name	OJ000224_02.0322.C27.o2.np	Method	AAT/NAP
Start	1483	End	1882
GI	6815109	Score	143
Exons	1483..1882		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	47965	Seq. ID	OJ000224_02.0322.C27
Gene No.	102082	Strand	+
Start	1483	End	4489
Name	OJ000224_02.0322.C27.o2.gp	Method	AAT/GAP
Start	3704	End	4489
GI	95583_1.R1084	Score	1160
Exons	3704..3946, 4046..4489		
GI Descrip.	'343696/gb|K01229|WHTMTRR18 0.0e+00 Wheat mitochondrial small subunit (18S) rRNA gene (complete)'		

Seq. No.	47965	Seq. ID	OJ000224_02.0322.C27
Gene No.	102083	Strand	+
Start	4543	End	5685
Name	OJ000224_02.0322.C27.o2.gs	Method	GENSCAN
Start	4543	End	5685
GI	none	Score	.61
Exons	4543..4602, 4811..4983, 5065..5287, 5430..5685		

Seq. No.	47966	Seq. ID	OJ000224_02.0322.C29
Gene No.	102084	Strand	-
Start	511	End	2535
Name	OJ000224_02.0322.C29.o1.gs	Method	GENSCAN
Start	511	End	2535
GI	none	Score	.5
Exons	511..669, 681..740, 1525..1874, 2084..2161, 2480..2535		

Seq. No.	47966	Seq. ID	OJ000224_02.0322.C29
Gene No.	102085	Strand	-
Start	2853	End	2945
Name	OJ000224_02.0322.C29.o1.gp	Method	AAT/GAP
Start	2853	End	2945
GI	uC-osflcyp088b12b1	Score	138
Exons	2853..2945		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102086	Strand	+
Start	12014	End	12397
Name	OJ000224_02.0322.C30.o3.gp	Method	AAT/GAP
Start	12014	End	12397
GI	uC-osflcyp033a04b1	Score	673
Exons	12014..12397		

GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102087	Strand	+
Start	13350	End	18363
Name	OJ000224_02.0322.C30.o5.np	Method	AAT/NAP
Start	13350	End	15225
GI	5042448	Score	147
Exons	13350..13859, 14376..14457, 15158..15225		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102087	Strand	+
Start	13350	End	18363
Name	OJ000224_02.0322.C30.o6.np	Method	AAT/NAP
Start	14338	End	18363
GI	4680179	Score	1011
Exons	14338..15423, 15457..15796, 18302..18363		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102087	Strand	+
Start	13350	End	18363
Name	OJ000224_02.0322.C30.o4.gs	Method	GENSCAN
Start	14341	End	17449
GI	none	Score	.88
Exons	14341..15535, 16835..16897, 17343..17449		
Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102087	Strand	+
Start	13350	End	18363
Name	OJ000224_02.0322.C30.o8.np	Method	AAT/NAP
Start	14995	End	16948
GI	4680186	Score	196
Exons	14995..15082, 15139..15386, 16744..16948		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102087	Strand	+
Start	13350	End	18363
Name	OJ000224_02.0322.C30.o7.np	Method	AAT/NAP
Start	16582	End	18363
GI	5852180	Score	104
Exons	16582..16654, 17830..18363		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102088	Strand	-
Start	219	End	9208
Name	OJ000224_02.0322.C30.o1.np	Method	AAT/NAP
Start	219	End	8699
GI	4680179	Score	5562
Exons	219..2785, 6309..7122, 7150..8132, 8633..8699		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102088	Strand	-
Start	219	End	9208
Name	OJ000224_02.0322.C30.o1.gp	Method	AAT/GAP
Start	2942	End	3052
GI	uC-osflcyp088b12b1	Score	153
Exons	2942..3052		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102088	Strand	-
Start	219	End	9208
Name	OJ000224_02.0322.C30.o2.np	Method	AAT/NAP
Start	8415	End	9208
GI	4512231	Score	1249
Exons	8415..9208		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102088	Strand	-
Start	219	End	9208
Name	OJ000224_02.0322.C30.o2.gs	Method	GENSCAN
Start	8417	End	9208
GI	none	Score	.88
Exons	8417..9208		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102089	Strand	-
Start	10631	End	11066
Name	OJ000224_02.0322.C30.o3.np	Method	AAT/NAP
Start	10631	End	11066
GI	4680185	Score	332
Exons	10631..11066		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102090	Strand	-
Start	11947	End	13040
Name	OJ000224_02.0322.C30.o4.np	Method	AAT/NAP
Start	11947	End	13040
GI	4680186	Score	328
Exons	11947..12148, 12985..13040		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102091	Strand	-
Start	16493	End	16877
Name	OJ000224_02.0322.C30.o5.gp	Method	AAT/GAP
Start	16493	End	16877
GI	uC-osflcyp033a04b1	Score	662
Exons	16493..16877		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-

Start	17342	End	18363
Name	OJ000224_02.0322.C30.o7.tw	Method	TBLASTX:Wheat
Start	264	End	597
GI	none	Score	69
Exons	264..596, 315..446, 316..597		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o1.tm	Method	TBLASTX:Maize
Start	459	End	1044
GI	none	Score	121
Exons	459..884, 460..666, 480..764, 721..885, 882..1043, 889..1044		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o1.tw	Method	TBLASTX:Wheat
Start	597	End	1223
GI	none	Score	58
Exons	597..1223, 598..666, 606..1166, 718..1221		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o3.tm	Method	TBLASTX:Maize
Start	1092	End	1383
GI	none	Score	81
Exons	1092..1382, 1095..1250, 1096..1383		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o2.ts	Method	TBLASTX:Soybean
Start	1182	End	1442
GI	none	Score	173
Exons	1182..1442, 1183..1431		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o1.tc	Method	TBLASTX:Cress
Start	1206	End	1532
GI	none	Score	79
Exons	1206..1349, 1207..1347, 1350..1502, 1350..1532		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o2.tw	Method	TBLASTX:Wheat
Start	1230	End	1769
GI	none	Score	284
Exons	1230..1769, 1234..1587		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363

Name	OJ000224_02.0322.C30.o2.tm	Method	TBLASTX:Maize
Start	1797	End	2150
GI	none	Score	199
Exons	1797..2150, 1804..2145		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o3.tw	Method	TBLASTX:Wheat
Start	1797	End	2222
GI	none	Score	222
Exons	1797..2147, 1797..2222, 1804..2220		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o3.ts	Method	TBLASTX:Soybean
Start	1968	End	2216
GI	none	Score	205
Exons	1968..2216		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o4.tm	Method	TBLASTX:Maize
Start	2187	End	2687
GI	none	Score	93
Exons	2187..2489, 2308..2436, 2550..2687		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o4.tw	Method	TBLASTX:Wheat
Start	2223	End	2506
GI	none	Score	129
Exons	2223..2483, 2223..2483, 2224..2487, 2432..2503, 2432..2506		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o1.ts	Method	TBLASTX:Soybean
Start	2238	End	2633
GI	none	Score	186
Exons	2238..2489, 2248..2487, 2268..2594, 2544..2597, 2554..2595, 2601..2633, 2601..2633		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o6.tw	Method	TBLASTX:Wheat
Start	2508	End	6369
GI	none	Score	125
Exons	2508..2696, 2520..2669, 2551..2688, 2700..2783, 2703..2774, 2704..2784, 6310..6369		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-

Start	17342	End	18363
Name	OJ000224_02.0322.C30.o5.tm	Method	TBLASTX:Maize
Start	6302	End	6570
GI	none	Score	128
Exons	6302..6520, 6310..6570		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o9.tw	Method	TBLASTX:Wheat
Start	6373	End	6580
GI	none	Score	105
Exons	6373..6579, 6374..6580		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o8.tw	Method	TBLASTX:Wheat
Start	6712	End	15675
GI	none	Score	105
Exons	6712..7065, 15534..15614, 15535..15675		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o5.tw	Method	TBLASTX:Wheat
Start	7372	End	15165
GI	none	Score	293
Exons	7372..7722, 14814..15008, 14815..15165		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o6.tm	Method	TBLASTX:Maize
Start	7384	End	15120
GI	none	Score	64
Exons	7384..7722, 7486..7722, 14815..15120, 14829..14945		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o10.tw	Method	TBLASTX:Wheat
Start	7774	End	14780
GI	none	Score	133
Exons	7774..7956, 7775..7975, 8091..8111, 14581..14778, 14583..14780		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o9.np	Method	AAT/NAP
Start	17342	End	18363
GI	6907087	Score	440
Exons	17342..17443, 17995..18363		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47967	Seq. ID	OJ000224_02.0322.C30
Gene No.	102092	Strand	-
Start	17342	End	18363
Name	OJ000224_02.0322.C30.o5.gs	Method	GENSCAN
Start	17862	End	18316
GI	none	Score	.48
Exons	17862..17989, 17995..18096, 18205..18316		

Seq. No.	47968	Seq. ID	OJ000224_02.0322.C31
Gene No.	102093	Strand	+
Start	1	End	1352
Name	OJ000224_02.0322.C31.o1.np	Method	AAT/NAP
Start	1	End	1352
GI	4680179	Score	1002
Exons	1..36, 557..1352		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47968	Seq. ID	OJ000224_02.0322.C31
Gene No.	102093	Strand	+
Start	1	End	1352
Name	OJ000224_02.0322.C31.o1.gs	Method	GENSCAN
Start	535	End	1341
GI	none	Score	.59
Exons	535..1341		

Seq. No.	47968	Seq. ID	OJ000224_02.0322.C31
Gene No.	102093	Strand	+
Start	1	End	1352
Name	OJ000224_02.0322.C31.o1.tw	Method	TBLASTX:Wheat
Start	799	End	1281
GI	none	Score	51
Exons	799..849, 903..1238, 904..1281		

Seq. No.	47968	Seq. ID	OJ000224_02.0322.C31
Gene No.	102093	Strand	+
Start	1	End	1352
Name	OJ000224_02.0322.C31.o1.tm	Method	TBLASTX:Maize
Start	904	End	1335
GI	none	Score	366
Exons	904..1335, 943..1122, 1134..1328		

Seq. No.	47968	Seq. ID	OJ000224_02.0322.C31
Gene No.	102093	Strand	+
Start	1	End	1352
Name	OJ000224_02.0322.C31.o1.tc	Method	TBLASTX:Cress
Start	928	End	1245
GI	none	Score	180
Exons	928..1245		

Seq. No.	47969	Seq. ID	OJ000224_02.0322.C32
Gene No.	102094	Strand	+
Start	1	End	2087
Name	OJ000224_02.0322.C32.o1.np	Method	AAT/NAP
Start	1	End	2084
GI	4680179	Score	2967
Exons	1..2084		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47969	Seq. ID	OJ000224_02.0322.C32
Gene No.	102094	Strand	+
Start	1	End	2087
Name	OJ000224_02.0322.C32.o4.tm	Method	TBLASTX:Maize
Start	2	End	184
GI	none	Score	220
Exons	2..184, 4..183, 23..184		

Seq. No.	47969	Seq. ID	OJ000224_02.0322.C32
Gene No.	102094	Strand	+
Start	1	End	2087
Name	OJ000224_02.0322.C32.o1.gs	Method	GENSCAN
Start	71	End	2087
GI	none	Score	.79
Exons	71..391, 393..2087		

Seq. No.	47969	Seq. ID	OJ000224_02.0322.C32
Gene No.	102094	Strand	+
Start	1	End	2087
Name	OJ000224_02.0322.C32.o3.tw	Method	TBLASTX:Wheat
Start	119	End	503
GI	none	Score	350
Exons	119..376, 151..351, 167..427,	372..503,	377..502

Seq. No.	47969	Seq. ID	OJ000224_02.0322.C32
Gene No.	102094	Strand	+
Start	1	End	2087
Name	OJ000224_02.0322.C32.o2.ts	Method	TBLASTX:Soybean
Start	125	End	370
GI	none	Score	207
Exons	125..370, 142..270		

Seq. No.	47969	Seq. ID	OJ000224_02.0322.C32
Gene No.	102094	Strand	+
Start	1	End	2087
Name	OJ000224_02.0322.C32.o2.tm	Method	TBLASTX:Maize
Start	190	End	506
GI	none	Score	259
Exons	190..336, 191..376, 191..376,	372..506,	377..502

Seq. No.	47969	Seq. ID	OJ000224_02.0322.C32
Gene No.	102094	Strand	+
Start	1	End	2087
Name	OJ000224_02.0322.C32.o2.tw	Method	TBLASTX:Wheat
Start	506	End	1073
GI	none	Score	649
Exons	506..1072, 537..1073		

Seq. No.	47969	Seq. ID	OJ000224_02.0322.C32
Gene No.	102094	Strand	+
Start	1	End	2087
Name	OJ000224_02.0322.C32.o1.tc	Method	TBLASTX:Cress
Start	771	End	1097
GI	none	Score	92
Exons	771..953, 954..1097, 956..1096		

Seq. No.	47969	Seq. ID	OJ000224_02.0322.C32
Gene No.	102094	Strand	+
Start	1	End	2087
Name	OJ000224_02.0322.C32.o1.ts	Method	TBLASTX:Soybean
Start	861	End	1121
GI	none	Score	293
Exons	861..1121, 872..1120		

Seq. No.	47969	Seq. ID	OJ000224_02.0322.C32
Gene No.	102094	Strand	+
Start	1	End	2087
Name	OJ000224_02.0322.C32.o3.tm	Method	TBLASTX:Maize
Start	920	End	1211
GI	none	Score	374
Exons	920..1207, 921..1211		

Seq. No.	47969	Seq. ID	OJ000224_02.0322.C32
Gene No.	102094	Strand	+
Start	1	End	2087
Name	OJ000224_02.0322.C32.o1.tw	Method	TBLASTX:Wheat
Start	1080	End	1706
GI	none	Score	714
Exons	1080..1706, 1136..1705		

Seq. No.	47969	Seq. ID	OJ000224_02.0322.C32
Gene No.	102094	Strand	+
Start	1	End	2087
Name	OJ000224_02.0322.C32.o1.tm	Method	TBLASTX:Maize
Start	1260	End	1859
GI	none	Score	231
Exons	1260..1421, 1268..1414, 1418..1843, 1419..1859		

Seq. No.	47969	Seq. ID	OJ000224_02.0322.C32
Gene No.	102094	Strand	+
Start	1	End	2087
Name	OJ000224_02.0322.C32.o4.tw	Method	TBLASTX:Wheat
Start	1706	End	2039
GI	none	Score	331
Exons	1706..1975, 1707..2039, 1710..2018		

Seq. No.	47970	Seq. ID	OJ000224_02.0322.C33
Gene No.	102095	Strand	-
Start	1	End	5828
Name	OJ000224_02.0322.C33.o1.np	Method	AAT/NAP
Start	1	End	4347
GI	5257279	Score	3086
Exons	1..1765, 2392..2625, 4259..4347		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	47970	Seq. ID	OJ000224_02.0322.C33
Gene No.	102095	Strand	-
Start	1	End	5828
Name	OJ000224_02.0322.C33.o1.tw	Method	TBLASTX:Wheat
Start	1	End	389
GI	none	Score	48
Exons	1..144, 2..55, 19..171, 142..375, 144..389		

Seq. No.	47970	Seq. ID	OJ000224_02.0322.C33
Gene No.	102095	Strand	-
Start	1	End	5828
Name	OJ000224_02.0322.C33.o1.gs	Method	GENSCAN
Start	69	End	1034
GI	none	Score	.48
Exons	69..1034		

Seq. No.	47970	Seq. ID	OJ000224_02.0322.C33
Gene No.	102095	Strand	-
Start	1	End	5828
Name	OJ000224_02.0322.C33.o1.tm	Method	TBLASTX:Maize
Start	89	End	380
GI	none	Score	40
Exons	89..124, 91..144, 136..372, 144..380		

Seq. No.	47970	Seq. ID	OJ000224_02.0322.C33
Gene No.	102095	Strand	-
Start	1	End	5828
Name	OJ000224_02.0322.C33.o3.tw	Method	TBLASTX:Wheat
Start	561	End	938
GI	none	Score	74
Exons	561..683, 562..672, 717..938, 817..888		

Seq. No.	47970	Seq. ID	OJ000224_02.0322.C33
Gene No.	102095	Strand	-
Start	1	End	5828
Name	OJ000224_02.0322.C33.o2.tm	Method	TBLASTX:Maize
Start	619	End	944
GI	none	Score	52
Exons	619..753, 621..944, 823..897, 879..944		

Seq. No.	47970	Seq. ID	OJ000224_02.0322.C33
Gene No.	102095	Strand	-
Start	1	End	5828
Name	OJ000224_02.0322.C33.o2.tw	Method	TBLASTX:Wheat
Start	1486	End	1872
GI	none	Score	94
Exons	1486..1632, 1657..1872, 1667..1849		

Seq. No.	47970	Seq. ID	OJ000224_02.0322.C33
Gene No.	102095	Strand	-
Start	1	End	5828
Name	OJ000224_02.0322.C33.o2.np	Method	AAT/NAP
Start	3507	End	5828
GI	6063554	Score	155
Exons	3507..3681, 4804..4954, 5740..5828		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47970	Seq. ID	OJ000224_02.0322.C33
Gene No.	102095	Strand	-
Start	1	End	5828
Name	OJ000224_02.0322.C33.o1.gp	Method	AAT/GAP
Start	3747	End	4126

GI	2427387	Score	503
Exons	3747..4126		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	47971	Seq. ID	OJ000224_02.0322.C34
Gene No.	102096	Strand	+
Start	49	End	3907
Name	OJ000224_02.0322.C34.o1.gs	Method	GENSCAN
Start	49	End	3907
GI	none	Score	.69
Exons	49..232, 1308..1353, 2144..2532, 3001..3095, 3220..3293, 3545..3631, 3899..3907		

Seq. No.	47971	Seq. ID	OJ000224_02.0322.C34
Gene No.	102096	Strand	+
Start	49	End	3907
Name	OJ000224_02.0322.C34.o2.gp	Method	AAT/GAP
Start	1018	End	1401
GI	uC-osflcyp033a04b1	Score	653
Exons	1018..1401		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	47971	Seq. ID	OJ000224_02.0322.C34
Gene No.	102097	Strand	-
Start	1	End	5380
Name	OJ000224_02.0322.C34.o2.np	Method	AAT/NAP
Start	1	End	3624
GI	5257279	Score	880
Exons	1..25, 3079..3624		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	47971	Seq. ID	OJ000224_02.0322.C34
Gene No.	102097	Strand	-
Start	1	End	5380
Name	OJ000224_02.0322.C34.o1.np	Method	AAT/NAP
Start	947	End	2900
GI	4680186	Score	225
Exons	947..1169, 2846..2900		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	47971	Seq. ID	OJ000224_02.0322.C34
Gene No.	102097	Strand	-
Start	1	End	5380
Name	OJ000224_02.0322.C34.o3.np	Method	AAT/NAP
Start	3399	End	5380
GI	5852179	Score	359
Exons	3399..3429, 4844..5084, 5159..5380		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	47971	Seq. ID	OJ000224_02.0322.C34
Gene No.	102097	Strand	-
Start	1	End	5380
Name	OJ000224_02.0322.C34.o2.gs	Method	GENSCAN
Start	4042	End	5254

GI	none	Score	.6
Exons	4042..4088, 4545..4806, 4885..5109, 5159..5254		

Seq. No.	47972	Seq. ID	OJ000224_02.0322.C35
Gene No.	102098	Strand	+
Start	357	End	1879
Name	OJ000224_02.0322.C35.o1.np	Method	AAT/NAP
Start	357	End	1212
GI	6063554	Score	265
Exons	357..396, 1038..1212		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	47972	Seq. ID	OJ000224_02.0322.C35
Gene No.	102098	Strand	+
Start	357	End	1879
Name	OJ000224_02.0322.C35.o1.gp	Method	AAT/GAP
Start	369	End	1879
GI	61605_1.R1084	Score	580
Exons	369..449, 1607..1879		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	47972	Seq. ID	OJ000224_02.0322.C35
Gene No.	102099	Strand	-
Start	340	End	2224
Name	OJ000224_02.0322.C35.o1.gs	Method	GENSCAN
Start	340	End	2224
GI	none	Score	.48
Exons	340..465, 974..1067, 1884..1977, 2062..2224		

Seq. No.	47973	Seq. ID	OJ000224_02.0322.C36
Gene No.	102100	Strand	+
Start	45	End	254
Name	OJ000224_02.0322.C36.o1.gs	Method	GENSCAN
Start	45	End	254
GI	none	Score	.93
Exons	45..254		

Seq. No.	47974	Seq. ID	OJ000224_02.0322.C42
Gene No.	102101	Strand	+
Start	83	End	603
Name	OJ000224_02.0322.C42.o1.gs	Method	GENSCAN
Start	83	End	603
GI	none	Score	.41
Exons	83..245, 593..603		

Seq. No.	47974	Seq. ID	OJ000224_02.0322.C42
Gene No.	102102	Strand	-
Start	1014	End	2875
Name	OJ000224_02.0322.C42.o1.np	Method	AAT/NAP
Start	783	End	2875
GI	4680179	Score	2458
Exons	783..2875		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	47974	Seq. ID	OJ000224_02.0322.C42
Gene No.	102102	Strand	-
Start	1014	End	2875
Name	OJ000224_02.0322.C42.o4.tw	Method	TBLASTX:Wheat
Start	828	End	1161
GI	none	Score	100
Exons	828..1160, 937..1161		

Seq. No.	47974	Seq. ID	OJ000224_02.0322.C42
Gene No.	102102	Strand	-
Start	1014	End	2875
Name	OJ000224_02.0322.C42.o2.gs	Method	GENSCAN
Start	1014	End	2660
GI	none	Score	.51
Exons	1014..1679, 1932..2235, 2476..2660		

Seq. No.	47974	Seq. ID	OJ000224_02.0322.C42
Gene No.	102102	Strand	-
Start	1014	End	2875
Name	OJ000224_02.0322.C42.o1.tm	Method	TBLASTX:Maize
Start	1020	End	1604
GI	none	Score	138
Exons	1020..1448, 1021..1281, 1319..1453, 1345..1449, 1442..1588, 1446..1604, 1449..1589, 1450..1602		

Seq. No.	47974	Seq. ID	OJ000224_02.0322.C42
Gene No.	102102	Strand	-
Start	1014	End	2875
Name	OJ000224_02.0322.C42.o1.tw	Method	TBLASTX:Wheat
Start	1161	End	1772
GI	none	Score	265
Exons	1161..1772, 1162..1731		

Seq. No.	47974	Seq. ID	OJ000224_02.0322.C42
Gene No.	102102	Strand	-
Start	1014	End	2875
Name	OJ000224_02.0322.C42.o3.tm	Method	TBLASTX:Maize
Start	1656	End	1947
GI	none	Score	58
Exons	1656..1946, 1659..1766, 1660..1947		

Seq. No.	47974	Seq. ID	OJ000224_02.0322.C42
Gene No.	102102	Strand	-
Start	1014	End	2875
Name	OJ000224_02.0322.C42.o1.ts	Method	TBLASTX:Soybean
Start	1750	End	1995
GI	none	Score	119
Exons	1750..1995, 1752..1994		

Seq. No.	47974	Seq. ID	OJ000224_02.0322.C42
Gene No.	102102	Strand	-
Start	1014	End	2875
Name	OJ000224_02.0322.C42.o3.tw	Method	TBLASTX:Wheat
Start	1803	End	2283
GI	none	Score	304
Exons	1803..2282, 1807..2283		

Seq. No.	47974	Seq. ID	OJ000224_02.0322.C42
Gene No.	102102	Strand	-
Start	1014	End	2875
Name	OJ000224_02.0322.C42.o2.tw	Method	TBLASTX:Wheat
Start	2283	End	2786
GI	none	Score	290
Exons	2283..2786, 2371..2778		

Seq. No.	47974	Seq. ID	OJ000224_02.0322.C42
Gene No.	102102	Strand	-
Start	1014	End	2875
Name	OJ000224_02.0322.C42.o2.tm	Method	TBLASTX:Maize
Start	2356	End	2714
GI	none	Score	204
Exons	2356..2691, 2361..2714, 2374..2712		

Seq. No.	47974	Seq. ID	OJ000224_02.0322.C42
Gene No.	102102	Strand	-
Start	1014	End	2875
Name	OJ000224_02.0322.C42.o2.ts	Method	TBLASTX:Soybean
Start	2535	End	2780
GI	none	Score	212
Exons	2535..2780		

Seq. No.	47975	Seq. ID	OJ000214_02.0321.C1
Gene No.	102103	Strand	-
Start	672	End	887
Name	OJ000214_02.0321.C1.o1.gs	Method	GENSCAN
Start	672	End	887
GI	none	Score	.78
Exons	672..887		

Seq. No.	47976	Seq. ID	OJ000214_02.0321.C2
Gene No.	102104	Strand	+
Start	219	End	4140
Name	OJ000214_02.0321.C2.o1.gs	Method	GENSCAN
Start	219	End	4140
GI	none	Score	.72
Exons	219..331, 699..836, 1379..1653, 1893..2078, 2156..2240, 2655..2819, 3039..3189, 3307..3467, 3763..4140		

Seq. No.	47976	Seq. ID	OJ000214_02.0321.C2
Gene No.	102105	Strand	-
Start	6817	End	7387
Name	OJ000214_02.0321.C2.o1.tm	Method	TBLASTX:Maize
Start	3050	End	3612
GI	none	Score	112
Exons	3050..3217, 3105..3227, 3315..3428, 3318..3365, 3332..3451, 3422..3475, 3423..3479, 3546..3605, 3547..3612, 3553..3612		

Seq. No.	47976	Seq. ID	OJ000214_02.0321.C2
Gene No.	102105	Strand	-
Start	6817	End	7387
Name	OJ000214_02.0321.C2.o1.gp	Method	AAT/GAP
Start	6459	End	7039
GI	none	Score	1089
Exons	6459..7039		

Seq. No.	47976	Seq. ID	OJ000214_02.0321.C2
Gene No.	102105	Strand	-
Start	6817	End	7387
Name	OJ000214_02.0321.C2.o2.gs	Method	GENSCAN'
Start	6817	End	7332
GI	none	Score	.99
Exons	6817..7332		

Seq. No.	47976	Seq. ID	OJ000214_02.0321.C2
Gene No.	102105	Strand	-
Start	6817	End	7387
Name	OJ000214_02.0321.C2.o1.np	Method	AAT/NAP
Start	6832	End	7387
GI	3668079	Score	513
Exons	6832..7387		
GI Descrip.	(AC004667) putative AT-hook DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	47976	Seq. ID	OJ000214_02.0321.C2
Gene No.	102105	Strand	-
Start	6817	End	7387
Name	OJ000214_02.0321.C2.o1.ts	Method	TBLASTX:Soybean
Start	6898	End	7293
GI	4395850	Score	154
Exons	6898..6933, 7048..7269, 7157..7270, 7252..7293		
GI Descrip.	-		

Seq. No.	47976	Seq. ID	OJ000214_02.0321.C2
Gene No.	102105	Strand	-
Start	6817	End	7387
Name	OJ000214_02.0321.C2.o1.tw	Method	TBLASTX:Wheat
Start	7153	End	7381
GI	none	Score	109
Exons	7153..7263, 7175..7264, 7261..7380, 7331..7381		

Seq. No.	47976	Seq. ID	OJ000214_02.0321.C2
Gene No.	102105	Strand	-
Start	6817	End	7387
Name	OJ000214_02.0321.C2.o2.tm	Method	TBLASTX:Maize
Start	7153	End	7383
GI	none	Score	96
Exons	7153..7269, 7157..7258, 7255..7383		

Seq. No.	47976	Seq. ID	OJ000214_02.0321.C2
Gene No.	102105	Strand	-
Start	6817	End	7387
Name	OJ000214_02.0321.C2.o1.tc	Method	TBLASTX:Cress
Start	7219	End	7383
GI	none	Score	50
Exons	7219..7263, 7220..7264, 7252..7383, 7331..7381		

Seq. No.	47977	Seq. ID	OJ000214_02.0321.C3
Gene No.	102106	Strand	+
Start	381	End	3088
Name	OJ000214_02.0321.C3.o1.gs	Method	GENSCAN
Start	381	End	3063

GI	none	Score	.55
Exons	381..485, 2816..2926, 2932..3063		

Seq. No.	47977	Seq. ID	OJ000214_02.0321.C3
Gene No.	102106	Strand	+
Start	381	End	3088
Name	OJ000214_02.0321.C3.o1.np	Method	AAT/NAP
Start	2484	End	3088
GI	7523502	Score	195
Exons	2484..2577, 2869..3088		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47978	Seq. ID	OJ000214_02.0321.C4
Gene No.	102107	Strand	+
Start	70	End	303
Name	OJ000214_02.0321.C4.o1.gp	Method	AAT/GAP
Start	70	End	303
GI	5867_1.R1084	Score	140
Exons	70..161, 281..303		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	47978	Seq. ID	OJ000214_02.0321.C4
Gene No.	102108	Strand	-
Start	904	End	1422
Name	OJ000214_02.0321.C4.o2.gp	Method	AAT/GAP
Start	904	End	1422
GI	5867_1.R1084	Score	140
Exons	904..949, 1330..1422		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	47979	Seq. ID	OJ000214_02.0321.C5
Gene No.	102109	Strand	+
Start	292	End	613
Name	OJ000214_02.0321.C5.o1.gs	Method	GENSCAN
Start	292	End	613
GI	none	Score	.64
Exons	292..613		

Seq. No.	47980	Seq. ID	OJ000214_02.0321.C6
Gene No.	102110	Strand	+
Start	679	End	956
Name	OJ000214_02.0321.C6.o1.gs	Method	GENSCAN
Start	679	End	956
GI	none	Score	.94
Exons	679..753, 897..956		

Seq. No.	47980	Seq. ID	OJ000214_02.0321.C6
Gene No.	102111	Strand	-
Start	1159	End	1356
Name	OJ000214_02.0321.C6.o2.gs	Method	GENSCAN
Start	1159	End	1356
GI	none	Score	.97
Exons	1159..1356		

Seq. No.	47981	Seq. ID	OJ000214_02.0321.C7
Gene No.	102112	Strand	+
Start	1	End	442
Name	OJ000214_02.0321.C7.o1.gp	Method	AAT/GAP
Start	1	End	75
GI	uC-osflcyp154e07b1	Score	150
Exons	1..75		
GI Descrip.	'3236247 6.0e-44 (AC004684) SCARECROW-like protein [Arabidopsis thaliana]'		

Seq. No.	47981	Seq. ID	OJ000214_02.0321.C7
Gene No.	102112	Strand	+
Start	1	End	442
Name	OJ000214_02.0321.C7.o1.np	Method	AAT/NAP
Start	1	End	442
GI	7485429	Score	492
Exons	1..442		
GI Descrip.	hypothetical protein F13M22.15 - Arabidopsis thaliana gi|3236247|gb|AAC23635.1| (AC004684) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	47981	Seq. ID	OJ000214_02.0321.C7
Gene No.	102112	Strand	+
Start	1	End	442
Name	OJ000214_02.0321.C7.o1.gs	Method	GENSCAN
Start	6	End	329
GI	none	Score	.77
Exons	6..329		

Seq. No.	47981	Seq. ID	OJ000214_02.0321.C7
Gene No.	102113	Strand	-
Start	1021	End	1246
Name	OJ000214_02.0321.C7.o1.tc	Method	TBLASTX:Cress
Start	2	End	433
GI	none	Score	86
Exons	2..289, 2..79, 3..311, 6..266, 176..313, 308..433, 343..429		

Seq. No.	47981	Seq. ID	OJ000214_02.0321.C7
Gene No.	102113	Strand	-
Start	1021	End	1246
Name	OJ000214_02.0321.C7.o1.tm	Method	TBLASTX:Maize
Start	2	End	436
GI	none	Score	134
Exons	2..298, 2..73, 3..314, 3..263, 176..310, 331..393, 332..433, 337..429, 338..436		

Seq. No.	47981	Seq. ID	OJ000214_02.0321.C7
Gene No.	102113	Strand	-

Start	1021	End	1246
Name	OJ000214_02.0321.C7.o1.ts	Method	TBLASTX:Soybean
Start	2	End	441
GI	none	Score	127
Exons	2..130, 3..287, 5..310, 295..441, 326..430		

Seq. No.	47981	Seq. ID	OJ000214_02.0321.C7
Gene No.	102113	Strand	-
Start	1021	End	1246
Name	OJ000214_02.0321.C7.o1.tw	Method	TBLASTX:Wheat
Start	182	End	555
GI	none	Score	191
Exons	182..310, 183..314, 331..432, 332..439, 338..433, 526..555		

Seq. No.	47981	Seq. ID	OJ000214_02.0321.C7
Gene No.	102113	Strand	-
Start	1021	End	1246
Name	OJ000214_02.0321.C7.o2.gs	Method	GENSCAN
Start	1021	End	1246
GI	none	Score	.91
Exons	1021..1246		

Seq. No.	47982	Seq. ID	OJ000214_02.0321.C8
Gene No.	102114	Strand	+
Start	1640	End	3511
Name	OJ000214_02.0321.C8.o1.gs	Method	GENSCAN
Start	1640	End	2221
GI	none	Score	.99
Exons	1640..2221		

Seq. No.	47982	Seq. ID	OJ000214_02.0321.C8
Gene No.	102114	Strand	+
Start	1640	End	3511
Name	OJ000214_02.0321.C8.o1.np	Method	AAT/NAP
Start	1738	End	3511
GI	7485436	Score	162
Exons	1738..1949, 3456..3511		
GI Descrip.	hypothetical protein F13M22.24 - Arabidopsis thaliana gi|3236256|gb|AAC23644.1| (AC004684) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	47982	Seq. ID	OJ000214_02.0321.C8
Gene No.	102114	Strand	+
Start	1640	End	3511
Name	OJ000214_02.0321.C8.o1.ts	Method	TBLASTX:Soybean
Start	1823	End	1939
GI	none	Score	194
Exons	1823..1939, 1825..1932		

Seq. No.	47982	Seq. ID	OJ000214_02.0321.C8
Gene No.	102114	Strand	+
Start	1640	End	3511
Name	OJ000214_02.0321.C8.o1.tm	Method	TBLASTX:Maize
Start	1825	End	1942
GI	none	Score	197
Exons	1825..1932, 1826..1942		

Seq. No.	47982	Seq. ID	OJ000214_02.0321.C8
Gene No.	102114	Strand	+
Start	1640	End	3511
Name	OJ000214_02.0321.C8.o1.tc	Method	TBLASTX:Cress
Start	1834	End	1942
GI	none	Score	192
Exons	1834..1914, 1835..1942		

Seq. No.	47983	Seq. ID	OJ000214_02.0321.C9
Gene No.	102115	Strand	-
Start	956	End	1754
Name	OJ000214_02.0321.C9.o1.gs	Method	GENSCAN
Start	956	End	1754
GI	none	Score	.57
Exons	956..1523, 1528..1700, 1725..1754		

Seq. No.	47983	Seq. ID	OJ000214_02.0321.C9
Gene No.	102115	Strand	-
Start	956	End	1754
Name	OJ000214_02.0321.C9.o1.np	Method	AAT/NAP
Start	978	End	1370
GI	6016696	Score	218
Exons	978..1370		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	47984	Seq. ID	OJ000214_02.0321.C10
Gene No.	102116	Strand	-
Start	90	End	1222
Name	OJ000214_02.0321.C10.o1.gs	Method	GENSCAN
Start	90	End	1222
GI	none	Score	.43
Exons	90..266, 359..535, 584..734, 975..1222		

Seq. No.	47985	Seq. ID	OJ000214_02.0321.C12
Gene No.	102117	Strand	+
Start	846	End	979
Name	OJ000214_02.0321.C12.o1.gs	Method	GENSCAN
Start	846	End	979
GI	none	Score	.91
Exons	846..979		

Seq. No.	47985	Seq. ID	OJ000214_02.0321.C12
Gene No.	102118	Strand	-
Start	2478	End	2621
Name	OJ000214_02.0321.C12.o2.gs	Method	GENSCAN
Start	2478	End	2621
GI	none	Score	.61
Exons	2478..2621		

Seq. No.	47986	Seq. ID	OJ000214_02.0321.C13
Gene No.	102119	Strand	-
Start	486	End	693
Name	OJ000214_02.0321.C13.o1.gs	Method	GENSCAN
Start	486	End	693
GI	none	Score	.8
Exons	486..495, 638..693		

Seq. No.	47987	Seq. ID	OJ000214_02.0321.C14
Gene No.	102120	Strand	+
Start	1	End	4708
Name	OJ000214_02.0321.C14.o1.np	Method	AAT/NAP
Start	1	End	3775
GI	6899893	Score	301
Exons	1..51, 598..792, 1383..1515, 1648..1880, 3695..3775		
GI Descrip.	(AL138642) putative protein [Arabidopsis thaliana]		

Seq. No.	47987	Seq. ID	OJ000214_02.0321.C14
Gene No.	102120	Strand	+
Start	1	End	4708
Name	OJ000214_02.0321.C14.o1.gs	Method	GENSCAN
Start	415	End	4708
GI	none	Score	.94
Exons	415..792, 1383..1880, 3698..3815, 4689..4708		

Seq. No.	47987	Seq. ID	OJ000214_02.0321.C14
Gene No.	102121	Strand	+
Start	17005	End	17341
Name	OJ000214_02.0321.C14.o3.gs	Method	GENSCAN
Start	17005	End	17341
GI	none	Score	.54
Exons	17005..17071, 17205..17341		

Seq. No.	47987	Seq. ID	OJ000214_02.0321.C14
Gene No.	102122	Strand	+
Start	17344	End	17536
Name	OJ000214_02.0321.C14.o1.gp	Method	AAT/GAP
Start	17344	End	17536
GI	uC-osrocyp016c08a1	Score	330
Exons	17344..17536		
GI Descrip.	'3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	47987	Seq. ID	OJ000214_02.0321.C14
Gene No.	102123	Strand	-
Start	6047	End	15284
Name	OJ000214_02.0321.C14.o2.gs	Method	GENSCAN
Start	6047	End	13695
GI	none	Score	.6
Exons	6047..6171, 6263..7387, 11644..11773, 12047..12328, 13160..13258, 13366..13695		

Seq. No.	47987	Seq. ID	OJ000214_02.0321.C14
Gene No.	102123	Strand	-
Start	6047	End	15284
Name	OJ000214_02.0321.C14.o2.np	Method	AAT/NAP
Start	6409	End	7361
GI	6017119	Score	539
Exons	6409..6665, 6753..7361		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana]		

Seq. No.	47987	Seq. ID	OJ000214_02.0321.C14
Gene No.	102123	Strand	-

Start	6047	End	15284
Name	OJ000214_02.0321.C14.o3.np	Method	AAT/NAP
Start	11636	End	15284
GI	3608147	Score	387
Exons	11636..11773, 12047..12328, 13160..13258, 13366..13553, 15257..15284		
GI Descrip.	(AC005314) putative chloroplast RNA binding protein precursor [Arabidopsis thaliana]		

Seq. No.	47987	Seq. ID	OJ000214_02.0321.C14
Gene No.	102124	Strand	-
Start	17830	End	19795
Name	OJ000214_02.0321.C14.o3.tm	Method	TBLASTX:Maize
Start	1607	End	3759
GI	none	Score	60
Exons	1607..1645, 1613..1645, 1614..1649, 1704..1904, 1705..1746, 1710..1883, 3692..3757, 3697..3759		

Seq. No.	47987	Seq. ID	OJ000214_02.0321.C14
Gene No.	102124	Strand	-
Start	17830	End	19795
Name	OJ000214_02.0321.C14.o3.ts	Method	TBLASTX:Soybean
Start	1710	End	3781
GI	none	Score	184
Exons	1710..1880, 1712..1879, 3677..3781		

Seq. No.	47987	Seq. ID	OJ000214_02.0321.C14
Gene No.	102124	Strand	-
Start	17830	End	19795
Name	OJ000214_02.0321.C14.o2.ts	Method	TBLASTX:Soybean
Start	6709	End	6963
GI	none	Score	148
Exons	6709..6963, 6711..6962		

Seq. No.	47987	Seq. ID	OJ000214_02.0321.C14
Gene No.	102124	Strand	-
Start	17830	End	19795
Name	OJ000214_02.0321.C14.o2.tc	Method	TBLASTX:Cress
Start	6744	End	6965
GI	none	Score	92
Exons	6744..6965, 6751..6963		

Seq. No.	47987	Seq. ID	OJ000214_02.0321.C14
Gene No.	102124	Strand	-
Start	17830	End	19795
Name	OJ000214_02.0321.C14.o1.tm	Method	TBLASTX:Maize
Start	6858	End	7320
GI	none	Score	116
Exons	6858..6959, 6861..6983, 6874..6984, 7071..7178, 7071..7223, 7099..7224, 7221..7250, 7236..7319, 7264..7320		

Seq. No.	47987	Seq. ID	OJ000214_02.0321.C14
Gene No.	102124	Strand	-
Start	17830	End	19795
Name	OJ000214_02.0321.C14.o1.tc	Method	TBLASTX:Cress
Start	17830	End	18945
GI	none	Score	202

Exons 17830..17871, 17854..17940, 18188..18409, 18192..18407, 18278..18409, 18757..18945, 18764..18937

Seq. No. 47987 Seq. ID OJ000214_02.0321.C14
Gene No. 102124 Strand -
Start 17830 End 19795
Name OJ000214_02.0321.C14.o4.gs Method GENSCAN
Start 17830 End 19002
GI none Score .63
Exons 17830..18102, 18191..18457, 18772..19002

Seq. No. 47987 Seq. ID OJ000214_02.0321.C14
Gene No. 102124 Strand -
Start 17830 End 19795
Name OJ000214_02.0321.C14.o2.tm Method TBLASTX:Maize
Start 17830 End 19179
GI none Score 74
Exons 17830..17889, 17831..17875, 17831..17890, 17896..17949, 18049..18114, 18050..18103, 18188..18409, 18192..18407, 18278..18409, 18757..18972, 18764..18973, 19074..19154, 19093..19179, 19093..19152

Seq. No. 47987 Seq. ID OJ000214_02.0321.C14
Gene No. 102124 Strand -
Start 17830 End 19795
Name OJ000214_02.0321.C14.o1.ts Method TBLASTX:Soybean
Start 17830 End 18970
GI none Score 243
Exons 17830..17940, 18188..18409, 18192..18407, 18275..18418, 18757..18948, 18764..18970

Seq. No. 47987 Seq. ID OJ000214_02.0321.C14
Gene No. 102124 Strand -
Start 17830 End 19795
Name OJ000214_02.0321.C14.o4.np Method AAT/NAP
Start 17833 End 19795
GI 6714272 Score 681
Exons 17833..18039, 18179..18406, 18772..18945, 19703..19795
GI Descrip. (AC017118) F6N18.8 [Arabidopsis thaliana]

Seq. No. 47987 Seq. ID OJ000214_02.0321.C14
Gene No. 102124 Strand -
Start 17830 End 19795
Name OJ000214_02.0321.C14.o2.gp Method AAT/GAP
Start 18245 End 19362
GI 12230_1.R1084 Score 1105
Exons 18245..18406, 18772..18975, 19093..19362
GI Descrip. '2894599/emb|CAA17133.1| 1.0e-29 (AL021889) putative protein [Arabidopsis thaliana]'

Seq. No. 47987 Seq. ID OJ000214_02.0321.C14
Gene No. 102124 Strand -
Start 17830 End 19795
Name OJ000214_02.0321.C14.o1.tw Method TBLASTX:Wheat
Start 18272 End 19158
GI none Score 194
Exons 18272..18409, 18273..18407, 18275..18409, 18757..18972,

18764..18973, 19091..19129, 19094..19141, 19123..19158

Seq. No.	47988	Seq. ID	OJ000214_02.0321.C15
Gene No.	102125	Strand	+
Start	1	End	1436
Name	OJ000214_02.0321.C15.o1.np	Method	AAT/NAP
Start	1	End	1436
GI	5922623	Score	69
Exons	1..37, 144..222, 1386..1436		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	47988	Seq. ID	OJ000214_02.0321.C15
Gene No.	102125	Strand	+
Start	1	End	1436
Name	OJ000214_02.0321.C15.o2.np	Method	AAT/NAP
Start	265	End	403
GI	7523512	Score	100
Exons	265..403		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47988	Seq. ID	OJ000214_02.0321.C15
Gene No.	102125	Strand	+
Start	1	End	1436
Name	OJ000214_02.0321.C15.o3.np	Method	AAT/NAP
Start	1066	End	1399
GI	6539586	Score	517
Exons	1066..1399		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	47988	Seq. ID	OJ000214_02.0321.C15
Gene No.	102125	Strand	+
Start	1	End	1436
Name	OJ000214_02.0321.C15.o2.gs	Method	GENSCAN
Start	1066	End	1392
GI	none	Score	.81
Exons	1066..1392		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102126	Strand	+
Start	994	End	4899
Name	OJ000214_02.0321.C16.o1.np	Method	AAT/NAP
Start	994	End	4899
GI	6983860	Score	648
Exons	994..1765, 1880..2115, 4851..4899		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102127	Strand	+
Start	5626	End	9183
Name	OJ000214_02.0321.C16.o1.gp	Method	AAT/GAP
Start	5252	End	5624
GI	uC-osflcyp033a04b1	Score	508
Exons	5252..5624		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102127	Strand	+
Start	5626	End	9183
Name	OJ000214_02.0321.C16.o2.gs	Method	GENSCAN
Start	5626	End	9183
GI	none	Score	.7
Exons	5626..5838, 6350..7266, 7366..8770, 8794..9183		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102127	Strand	+
Start	5626	End	9183
Name	OJ000214_02.0321.C16.o3.np	Method	AAT/NAP
Start	6329	End	9180
GI	6907089	Score	3463
Exons	6329..7266, 7366..9180		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102128	Strand	+
Start	15798	End	19537
Name	OJ000214_02.0321.C16.o6.np	Method	AAT/NAP
Start	15798	End	17082
GI	7523512	Score	106
Exons	15798..15846, 16943..17082		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102128	Strand	+
Start	15798	End	19537
Name	OJ000214_02.0321.C16.o5.np	Method	AAT/NAP
Start	16056	End	18510
GI	5922623	Score	406
Exons	16056..16136, 16510..16657, 16825..16943, 18459..18510		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102128	Strand	+
Start	15798	End	19537
Name	OJ000214_02.0321.C16.o5.gs	Method	GENSCAN
Start	16752	End	19537
GI	none	Score	.54
Exons	16752..16806, 16943..17065, 17905..18007, 18154..18172, 18944..19112, 19155..19537		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o4.tm	Method	TBLASTX:Maize
Start	1425	End	1724
GI	none	Score	235
Exons	1425..1724, 1439..1552		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16

Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o7.tw	Method	TBLASTX:Wheat
Start	1425	End	1781
GI	none	Score	281
Exons	1425..1781, 1437..1562, 1439..1603, 1543..1635		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o2.np	Method	AAT/NAP
Start	3137	End	10096
GI	5852180	Score	689
Exons	3137..3207, 3912..4324, 4376..4493, 5485..5532, 10069..10096		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o3.gs	Method	GENSCAN
Start	9824	End	13489
GI	none	Score	.99
Exons	9824..13489		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o4.np	Method	AAT/NAP
Start	9827	End	15979
GI	7228457	Score	9226
Exons	9827..11377, 11444..12595, 12718..13552, 13616..15546, 15608..15979		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o8.tw	Method	TBLASTX:Wheat
Start	9836	End	10438
GI	none	Score	69
Exons	9836..9961, 9849..9962, 10128..10298, 10154..10438, 10155..10433		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o4.tw	Method	TBLASTX:Wheat
Start	10439	End	10820
GI	none	Score	165
Exons	10439..10819, 10470..10718, 10764..10820		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o2.tm	Method	TBLASTX:Maize
Start	10634	End	10957

GI	none	Score	192
Exons	10634..10957, 10647..10928		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o9.tw	Method	TBLASTX:Wheat
Start	11150	End	11462
GI	none	Score	66
Exons	11150..11410, 11261..11449, 11286..11462		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o2.ts	Method	TBLASTX:Soybean
Start	11210	End	11776
GI	5666795	Score	68
Exons	11210..11410, 11465..11602, 11678..11776		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o5.tw	Method	TBLASTX:Wheat
Start	11465	End	14925
GI	none	Score	92
Exons	11465..11614, 11466..11603, 11468..11605, 11661..11834, 11675..11923, 11675..11899, 14872..14925		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o1.ts	Method	TBLASTX:Soybean
Start	12524	End	12895
GI	none	Score	90
Exons	12524..12895, 12735..12878		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o2.tw	Method	TBLASTX:Wheat
Start	12549	End	12974
GI	none	Score	333
Exons	12549..12974, 12554..12973		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o3.tm	Method	TBLASTX:Maize
Start	12647	End	13031
GI	none	Score	226
Exons	12647..13030, 12666..13031		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o1.tm	Method	TBLASTX:Maize

Start	13058	End	13414
GI	none	Score	114
Exons	13058..13363, 13058..13414, 13068..13379		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o1.tw	Method	TBLASTX:Wheat
Start	13082	End	13545
GI	none	Score	385
Exons	13082..13543, 13083..13544, 13087..13545		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o3.ts	Method	TBLASTX:Soybean
Start	13139	End	13504
GI	none	Score	117
Exons	13139..13273, 13280..13504		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o4.gs	Method	GENSCAN
Start	13553	End	15979
GI	none	Score	.99
Exons	13553..15979		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o3.tw	Method	TBLASTX:Wheat
Start	13712	End	14195
GI	none	Score	171
Exons	13712..14194, 13740..14000, 14012..14182, 14022..14195		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o6.tw	Method	TBLASTX:Wheat
Start	14933	End	15325
GI	none	Score	86
Exons	14933..15190, 15045..15206, 15173..15271, 15174..15254, 15278..15325		

Seq. No.	47989	Seq. ID	OJ000214_02.0321.C16
Gene No.	102129	Strand	-
Start	3137	End	15979
Name	OJ000214_02.0321.C16.o5.tm	Method	TBLASTX:Maize
Start	15035	End	15320
GI	none	Score	89
Exons	15035..15283, 15036..15320		

Seq. No.	47990	Seq. ID	OJ000214_02.0321.C19
Gene No.	102130	Strand	-
Start	1	End	709
Name	OJ000214_02.0321.C19.o1.np	Method	AAT/NAP

Start	1	End	709
GI	5042454	Score	69
Exons	1..53, 272..419, 667..709		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102131	Strand	+
Start	1	End	5749
Name	OJ000214_02.0321.C21.o1.np	Method	AAT/NAP
Start	1	End	2822
GI	6587849	Score	489
Exons	1..1043, 1173..1241, 2797..2822		
GI Descrip.	(AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102131	Strand	+
Start	1	End	5749
Name	OJ000214_02.0321.C21.o1.gs	Method	GENSCAN
Start	101	End	5749
GI	none	Score	.67
Exons	101..712, 1229..1307, 1484..1602, 2133..2324, 2344..2848, 3606..3658, 4337..4387, 5186..5347, 5447..5749		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102131	Strand	+
Start	1	End	5749
Name	OJ000214_02.0321.C21.o1.gp	Method	AAT/GAP
Start	2242	End	2631
GI	4880249	Score	643
Exons	2242..2631		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102131	Strand	+
Start	1	End	5749
Name	OJ000214_02.0321.C21.o2.np	Method	AAT/NAP
Start	2376	End	5680
GI	2598227	Score	452
Exons	2376..2848, 3606..3658, 4273..4404, 5186..5347, 5447..5680		
GI Descrip.	(AJ222585) AT-hook protein 1 [Arabidopsis thaliana]		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102132	Strand	+
Start	6399	End	7068
Name	OJ000214_02.0321.C21.o2.gs	Method	GENSCAN
Start	6399	End	7068
GI	none	Score	.89
Exons	6399..6411, 6926..7068		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102133	Strand	+
Start	11563	End	12106
Name	OJ000214_02.0321.C21.o5.gs	Method	GENSCAN
Start	11563	End	12106
GI	none	Score	.64
Exons	11563..11614, 12030..12106		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102134	Strand	-
Start	5761	End	6123
Name	OJ000214_02.0321.C21.o2.gp	Method	AAT/GAP
Start	5761	End	6123
GI	46921_1.R1084	Score	692
Exons	5761..6123		
GI Descrip.	'3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102135	Strand	-
Start	7731	End	8197
Name	OJ000214_02.0321.C21.o3.gs	Method	GENSCAN
Start	7731	End	8099
GI	none	Score	.97
Exons	7731..8099		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102135	Strand	-
Start	7731	End	8197
Name	OJ000214_02.0321.C21.o3.np	Method	AAT/NAP
Start	7799	End	8099
GI	1592681	Score	168
Exons	7799..8099		
GI Descrip.	(X91917) LEA D113 homologue type2 [Arabidopsis thaliana] gi|3668076|gb|AAC61808.1| (AC004667) similar to late embryogenesis abundant proteins [Arabidopsis thaliana]		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102135	Strand	-
Start	7731	End	8197
Name	OJ000214_02.0321.C21.o3.gp	Method	AAT/GAP
Start	7874	End	8197
GI	1632139	Score	604
Exons	7874..8197		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102136	Strand	-
Start	9639	End	10909
Name	OJ000214_02.0321.C21.o4.gs	Method	GENSCAN
Start	9639	End	10903
GI	none	Score	.84
Exons	9639..10134, 10140..10903		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102136	Strand	-
Start	9639	End	10909
Name	OJ000214_02.0321.C21.o4.np	Method	AAT/NAP
Start	9648	End	10909
GI	4510376	Score	397
Exons	9648..10639, 10688..10909		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21

Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o1.tw	Method	TBLASTX:Wheat
Start	5	End	403
GI	none	Score	358
Exons	5..328, 13..354, 329..403		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o1.tm	Method	TBLASTX:Maize
Start	8	End	349
GI	none	Score	302
Exons	8..349, 34..345		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o3.ts	Method	TBLASTX:Soybean
Start	98	End	511
GI	none	Score	172
Exons	98..406, 434..511		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o2.tw	Method	TBLASTX:Wheat
Start	770	End	1162
GI	none	Score	329
Exons	770..1162, 802..1134		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o6.tm	Method	TBLASTX:Maize
Start	4252	End	4404
GI	none	Score	192
Exons	4252..4404, 4272..4397		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o2.tc	Method	TBLASTX:Cress
Start	4270	End	5524
GI	none	Score	107
Exons	4270..4383, 4272..4370, 5183..5350, 5185..5349, 5423..5524, 5443..5481		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o4.ts	Method	TBLASTX:Soybean
Start	4306	End	5377
GI	none	Score	100
Exons	4306..4404, 4308..4403, 5183..5377, 5185..5349		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21

Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o2.tm	Method	TBLASTX:Maize
Start	5186	End	5667
GI	none	Score	256
Exons	5186..5350, 5191..5349, 5192..5350, 5423..5530, 5443..5493, 5566..5667		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o4.tm	Method	TBLASTX:Maize
Start	7809	End	8109
GI	none	Score	49
Exons	7809..8108, 7855..7887, 7972..8109		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o3.tc	Method	TBLASTX:Cress
Start	10682	End	10889
GI	none	Score	86
Exons	10682..10777, 10788..10889, 10790..10888		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o2.ts	Method	TBLASTX:Soybean
Start	10688	End	10897
GI	none	Score	120
Exons	10688..10732, 10733..10897, 10749..10889		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o3.tw	Method	TBLASTX:Wheat
Start	10688	End	10892
GI	none	Score	105
Exons	10688..10789, 10787..10891, 10788..10892		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o6.gs	Method	GENSCAN
Start	13399	End	14681
GI	none	Score	.49
Exons	13399..13550, 14492..14681		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o4.gp	Method	AAT/GAP
Start	14174	End	14802
GI	5771053	Score	1046
Exons	14174..14681, 14760..14802		
GI Descrip.	3834314 2.0e-37 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750		

gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o3.tm	Method	TBLASTX:Maize
Start	14313	End	14550
GI	none	Score	175
Exons	14313..14549, 14359..14493, 14364..14549, 14386..14550		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o5.np	Method	AAT/NAP
Start	14395	End	14926
GI	3834314	Score	496
Exons	14395..14681, 14760..14926		
GI Descrip.	(AC005679) Similar to gene pi010 glycosyltransferase gi|2257490 from S. pombe clone 1750 gb|AB004534. ESTs gb|T46079 and gb|AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o1.tc	Method	TBLASTX:Cress
Start	14409	End	14669
GI	none	Score	205
Exons	14409..14669, 14428..14667		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o1.ts	Method	TBLASTX:Soybean
Start	14455	End	14835
GI	none	Score	111
Exons	14455..14607, 14457..14606, 14607..14666, 14608..14661, 14609..14662, 14661..14684, 14662..14682, 14754..14828, 14758..14835, 14760..14834		

Seq. No.	47991	Seq. ID	OJ000214_02.0321.C21
Gene No.	102137	Strand	-
Start	13399	End	14928
Name	OJ000214_02.0321.C21.o5.tm	Method	TBLASTX:Maize
Start	14787	End	14928
GI	none	Score	130
Exons	14787..14897, 14787..14927, 14788..14928, 14788..14928		

Seq. No.	47992	Seq. ID	OJ000214_02.0321.C22
Gene No.	102138	Strand	-
Start	1	End	2032
Name	OJ000214_02.0321.C22.o1.np	Method	AAT/NAP
Start	1	End	1738
GI	3834314	Score	704
Exons	1..203, 304..409, 490..683, 957..1073, 1678..1738		
GI Descrip.	(AC005679) Similar to gene pi010 glycosyltransferase gi|2257490 from S. pombe clone 1750 gb|AB004534. ESTs gb|T46079 and		

gb|AA394466 come from this gene. [Arabidopsis thaliana]

Seq. No.	47992	Seq. ID	OJ000214_02.0321.C22
Gene No.	102138	Strand	-
Start	1	End	2032
Name	OJ000214_02.0321.C22.o1.tm	Method	TBLASTX:Maize
Start	34	End	174
GI	none	Score	173
Exons	34..174, 34..174		

Seq. No.	47992	Seq. ID	OJ000214_02.0321.C22
Gene No.	102138	Strand	-
Start	1	End	2032
Name	OJ000214_02.0321.C22.o1.ts	Method	TBLASTX:Soybean
Start	55	End	540
GI	none	Score	92
Exons	55..204, 68..205, 288..407, 298..411, 299..412, 299..412, 475..540		

Seq. No.	47992	Seq. ID	OJ000214_02.0321.C22
Gene No.	102138	Strand	-
Start	1	End	2032
Name	OJ000214_02.0321.C22.o1.tc	Method	TBLASTX:Cress
Start	302	End	1717
GI	none	Score	81
Exons	302..412, 303..407, 471..683, 475..687, 488..673, 488..691, 505..684, 953..1075, 955..1095, 955..1077, 1676..1717		

Seq. No.	47992	Seq. ID	OJ000214_02.0321.C22
Gene No.	102138	Strand	-
Start	1	End	2032
Name	OJ000214_02.0321.C22.o1.gs	Method	GENSCAN
Start	304	End	2032
GI	none	Score	.84
Exons	304..409, 490..683, 957..1073, 1678..1858, 1952..2032		

Seq. No.	47992	Seq. ID	OJ000214_02.0321.C22
Gene No.	102138	Strand	-
Start	1	End	2032
Name	OJ000214_02.0321.C22.o1.gp	Method	AAT/GAP
Start	534	End	1849
GI	2310574	Score	754
Exons	534..683, 957..1073, 1678..1849		
GI Descrip.	3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	47993	Seq. ID	OJ000214_02.0321.C25
Gene No.	102139	Strand	-
Start	71	End	251
Name	OJ000214_02.0321.C25.o1.gs	Method	GENSCAN
Start	71	End	251
GI	none	Score	.57
Exons	71..251		

Seq. No.	47994	Seq. ID	OJ000214_02.0321.C26

Gene No.	102140	Strand	+
Start	871	End	1122
Name	OJ000214_02.0321.C26.o1.gs	Method	GENSCAN
Start	871	End	1122
GI	none	Score	.96
Exons	871..1122		

Seq. No.	47994	Seq. ID	OJ000214_02.0321.C26
Gene No.	102141	Strand	+
Start	1534	End	4160
Name	OJ000214_02.0321.C26.o2.gs	Method	GENSCAN
Start	1534	End	4160
GI	none	Score	.62
Exons	1534..1641, 3817..3966, 4017..4160		

Seq. No.	47994	Seq. ID	OJ000214_02.0321.C26
Gene No.	102142	Strand	-
Start	1410	End	3438
Name	OJ000214_02.0321.C26.o1.np	Method	AAT/NAP
Start	1410	End	3438
GI	6498436	Score	50
Exons	1410..1659, 3399..3438		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	47995	Seq. ID	OJ000315_36.0412.C1
Gene No.	102143	Strand	+
Start	1	End	943
Name	OJ000315_36.0412.C1.o1.np	Method	AAT/NAP
Start	1	End	943
GI	6015010	Score	620
Exons	1..178, 261..350, 440..519, 599..821, 898..943		
GI Descrip.	DNA POLYMERASE ALPHA CATALYTIC SUBUNIT gi|2826900|dbj|BAA24573.1| (AB004461) DNA polymerase alpha catalytic subunit [Oryza sativa]		

Seq. No.	47995	Seq. ID	OJ000315_36.0412.C1
Gene No.	102143	Strand	+
Start	1	End	943
Name	OJ000315_36.0412.C1.o1.gp	Method	AAT/GAP
Start	62	End	943
GI	2826899	Score	817
Exons	62..178, 259..350, 440..519, 599..821, 898..943		
GI Descrip.	6015010/sp|O48653|DPOA_ORYSA 0.0e+00 DNA POLYMERASE ALPHA CATALYTIC SUBUNIT >gi_2826900_dbj_BAA24573_ (AB004461) DNA polymerase alpha catalytic subunit [Oryza sativa]		

Seq. No.	47995	Seq. ID	OJ000315_36.0412.C1
Gene No.	102143	Strand	+
Start	1	End	943
Name	OJ000315_36.0412.C1.o1.tm	Method	TBLASTX:Maize
Start	257	End	680
GI	none	Score	154
Exons	257..355, 258..350, 435..518, 437..520, 437..523, 439..528, 596..679, 597..680, 597..680		

Seq. No.	47995	Seq. ID	OJ000315_36.0412.C1
Gene No.	102143	Strand	+

Start	1	End	943
Name	OJ000315_36.0412.C1.o1.gs	Method	GENSCAN
Start	407	End	821
GI	none	Score	.64
Exons	407..519, 674..821		

Seq. No.	47996	Seq. ID	OJ000315_36.0412.C5
Gene No.	102144	Strand	-
Start	53	End	447
Name	OJ000315_36.0412.C5.o1.gs	Method	GENSCAN
Start	53	End	447
GI	none	Score	.61
Exons	53..143, 269..447		

Seq. No.	47997	Seq. ID	OJ000315_36.0412.C6
Gene No.	102145	Strand	-
Start	279	End	746
Name	OJ000315_36.0412.C6.o1.tc	Method	TBLASTX:Cress
Start	106	End	648
GI	none	Score	66
Exons	106..186, 126..185, 280..375, 489..647, 553..648		

Seq. No.	47997	Seq. ID	OJ000315_36.0412.C6
Gene No.	102145	Strand	-
Start	279	End	746
Name	OJ000315_36.0412.C6.o1.gs	Method	GENSCAN
Start	279	End	746
GI	none	Score	.5
Exons	279..408, 444..746		

Seq. No.	47997	Seq. ID	OJ000315_36.0412.C6
Gene No.	102145	Strand	-
Start	279	End	746
Name	OJ000315_36.0412.C6.o1.tw	Method	TBLASTX:Wheat
Start	286	End	630
GI	none	Score	102
Exons	286..375, 291..365, 292..432, 424..510, 489..629, 550..630		

Seq. No.	47997	Seq. ID	OJ000315_36.0412.C6
Gene No.	102145	Strand	-
Start	279	End	746
Name	OJ000315_36.0412.C6.o1.ts	Method	TBLASTX:Soybean
Start	295	End	653
GI	none	Score	88
Exons	295..375, 489..653, 553..648		

Seq. No.	47997	Seq. ID	OJ000315_36.0412.C6
Gene No.	102145	Strand	-
Start	279	End	746
Name	OJ000315_36.0412.C6.o1.tm	Method	TBLASTX:Maize
Start	310	End	648
GI	none	Score	87
Exons	310..408, 310..375, 489..647, 550..648		

Seq. No.	47998	Seq. ID	OJ000315_36.0412.C7
Gene No.	102146	Strand	+
Start	51	End	2066

Name	OJ000315_36.0412.C7.o1.tw	Method	TBLASTX:Wheat
Start	16	End	1415
GI	none	Score	222
Exons	16..42, 99..308, 107..307, 430..465, 1299..1415, 1301..1414		

Seq. No.	47998	Seq. ID	OJ000315_36.0412.C7
Gene No.	102146	Strand	+
Start	51	End	2066
Name	OJ000315_36.0412.C7.o1.np	Method	AAT/NAP
Start	51	End	2066
GI	5263332	Score	502
Exons	51..309, 1303..1614, 1979..2066		
GI Descrip.	(AC007727) F8K7.23 [Arabidopsis thaliana] gi|6552728|gb|AAF16527.1|AC013482_1 (AC013482) T26F17.1 [Arabidopsis thaliana]		

Seq. No.	47998	Seq. ID	OJ000315_36.0412.C7
Gene No.	102146	Strand	+
Start	51	End	2066
Name	OJ000315_36.0412.C7.o1.gs	Method	GENSCAN
Start	54	End	1580
GI	none	Score	.6
Exons	54..309, 1303..1580		

Seq. No.	47998	Seq. ID	OJ000315_36.0412.C7
Gene No.	102146	Strand	+
Start	51	End	2066
Name	OJ000315_36.0412.C7.o1.ts	Method	TBLASTX:Soybean
Start	1334	End	1598
GI	none	Score	320
Exons	1334..1552, 1350..1598, 1350..1580		

Seq. No.	47999	Seq. ID	OJ000315_36.0412.C9
Gene No.	102147	Strand	-
Start	1	End	1163
Name	OJ000315_36.0412.C9.o1.np	Method	AAT/NAP
Start	1	End	1163
GI	6382504	Score	503
Exons	1..189, 267..424, 498..643, 733..949, 1026..1163		
GI Descrip.	(AC010704) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	47999	Seq. ID	OJ000315_36.0412.C9
Gene No.	102147	Strand	-
Start	1	End	1163
Name	OJ000315_36.0412.C9.o1.gs	Method	GENSCAN
Start	40	End	1088
GI	none	Score	.86
Exons	40..189, 267..424, 537..643, 733..949, 1026..1088		

Seq. No.	48000	Seq. ID	OJ000315_36.0412.C10
Gene No.	102148	Strand	-
Start	1	End	172
Name	OJ000315_36.0412.C10.o1.gp	Method	AAT/GAP
Start	1	End	172
GI	4878577	Score	344
Exons	1..172		

Seq. No.	48001	Seq. ID	OJ000315_36.0412.C11
Gene No.	102149	Strand	+
Start	1	End	983
Name	OJ000315_36.0412.C11.o1.np	Method	AAT/NAP
Start	1	End	920
GI	6815107	Score	779
Exons	1..920		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	48001	Seq. ID	OJ000315_36.0412.C11
Gene No.	102149	Strand	+
Start	1	End	983
Name	OJ000315_36.0412.C11.o2.tm	Method	TBLASTX:Maize
Start	270	End	540
GI	none	Score	309
Exons	270..539, 272..538, 328..540		

Seq. No.	48001	Seq. ID	OJ000315_36.0412.C11
Gene No.	102149	Strand	+
Start	1	End	983
Name	OJ000315_36.0412.C11.o1.tc	Method	TBLASTX:Cress
Start	300	End	635
GI	none	Score	209
Exons	300..635		

Seq. No.	48001	Seq. ID	OJ000315_36.0412.C11
Gene No.	102149	Strand	+
Start	1	End	983
Name	OJ000315_36.0412.C11.o1.ts	Method	TBLASTX:Soybean
Start	386	End	953
GI	none	Score	414
Exons	386..676, 387..953		

Seq. No.	48001	Seq. ID	OJ000315_36.0412.C11
Gene No.	102149	Strand	+
Start	1	End	983
Name	OJ000315_36.0412.C11.o1.tm	Method	TBLASTX:Maize
Start	540	End	971
GI	none	Score	421
Exons	540..971, 587..970		

Seq. No.	48001	Seq. ID	OJ000315_36.0412.C11
Gene No.	102149	Strand	+
Start	1	End	983
Name	OJ000315_36.0412.C11.o1.tw	Method	TBLASTX:Wheat
Start	564	End	983
GI	none	Score	285
Exons	564..983		

Seq. No.	48002	Seq. ID	OJ000315_36.0412.C12
Gene No.	102150	Strand	+
Start	118	End	1537
Name	OJ000315_36.0412.C12.o1.gp	Method	AAT/GAP
Start	118	End	729
GI	183_4.R1084	Score	740
Exons	118..150, 216..496, 613..729		

GI Descrip.	'6015010/sp|O48653|DPOA_ORYSA 0.0e+00 DNA POLYMERASE ALPHA CATALYTIC SUBUNIT >gi_2826900_dbj_BAA24573_ (AB004461) DNA polymerase alpha catalytic subunit [Oryza sativa]'		
Seq. No.	48002	Seq. ID	OJ000315_36.0412.C12
Gene No.	102150	Strand	+
Start	118	End	1537
Name	OJ000315_36.0412.C12.o1.np	Method	AAT/NAP
Start	266	End	729
GI	400890	Score	119
Exons	266..499, 619..729		
GI Descrip.	PHOTOSYSTEM II 22 KD PROTEIN PRECURSOR gi|282837|pir||S26953 photosystem II 22K protein precursor - spinach gi|21307|emb|CAA48557.1| (X68552) 22kD-protein of PSII [Spinacia oleracea] gi|260917|gb|AAB24338.1| (S49864) photosystem II 22 kda polypeptide [spinach, Peptide, 274 aa] [Spinacia oleracea]		
Seq. No.	48002	Seq. ID	OJ000315_36.0412.C12
Gene No.	102150	Strand	+
Start	118	End	1537
Name	OJ000315_36.0412.C12.o1.gs	Method	GENSCAN
Start	299	End	1537
GI	none	Score	.86
Exons	299..496, 613..729, 1420..1451, 1495..1537		
Seq. No.	48002	Seq. ID	OJ000315_36.0412.C12
Gene No.	102151	Strand	-
Start	1510	End	1944
Name	OJ000315_36.0412.C12.o1.tm	Method	TBLASTX:Maize
Start	422	End	735
GI	none	Score	85
Exons	422..496, 433..495, 612..728, 613..735		
Seq. No.	48002	Seq. ID	OJ000315_36.0412.C12
Gene No.	102151	Strand	-
Start	1510	End	1944
Name	OJ000315_36.0412.C12.o2.gp	Method	AAT/GAP
Start	1510	End	1944
GI	LIB3431-038-P1-K1-A2	Score	851
Exons	1510..1944		
GI Descrip.	'4220527/emb|CAA23000| 2.0e-18 (AL035356) putative protein [Arabidopsis thaliana]'		
Seq. No.	48003	Seq. ID	OJ000315_36.0412.C13
Gene No.	102152	Strand	-
Start	123	End	269
Name	OJ000315_36.0412.C13.o1.gs	Method	GENSCAN
Start	123	End	269
GI	none	Score	.57
Exons	123..269		
Seq. No.	48004	Seq. ID	OJ000315_36.0412.C14
Gene No.	102153	Strand	-
Start	1	End	778
Name	OJ000315_36.0412.C14.o1.np	Method	AAT/NAP
Start	1	End	778
GI	7269912	Score	263

Exons	1..128, 215..600, 749..778		
GI Descrip.	(AL161576) cadmium-transporting ATPase-like protein [Arabidopsis thaliana]		

Seq. No.	48004	Seq. ID	OJ000315_36.0412.C14
Gene No.	102153	Strand	-
Start	1	End	778
Name	OJ000315_36.0412.C14.o1.gs	Method	GENSCAN
Start	51	End	767
GI	none	Score	.64
Exons	51..243, 359..554, 655..767		

Seq. No.	48004	Seq. ID	OJ000315_36.0412.C14
Gene No.	102153	Strand	-
Start	1	End	778
Name	OJ000315_36.0412.C14.o1.tm	Method	TBLASTX:Maize
Start	66	End	533
GI	none	Score	133
Exons	66..131, 169..198, 197..271, 278..478, 285..500, 327..503, 494..532, 495..533		

Seq. No.	48005	Seq. ID	OJ000315_36.0412.C16
Gene No.	102154	Strand	+
Start	2827	End	4359
Name	OJ000315_36.0412.C16.o1.gs	Method	GENSCAN
Start	2827	End	4359
GI	none	Score	.97
Exons	2827..4359		

Seq. No.	48005	Seq. ID	OJ000315_36.0412.C16
Gene No.	102154	Strand	+
Start	2827	End	4359
Name	OJ000315_36.0412.C16.o1.np	Method	AAT/NAP
Start	3376	End	4263
GI	4115536	Score	450
Exons	3376..3528, 3556..4263		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	48005	Seq. ID	OJ000315_36.0412.C16
Gene No.	102155	Strand	+
Start	5185	End	6918
Name	OJ000315_36.0412.C16.o1.tm	Method	TBLASTX:Maize
Start	2839	End	4298
GI	none	Score	55
Exons	2839..2904, 3003..3065, 3007..3063, 3044..3079, 3153..3296, 3154..3300, 3291..3368, 3292..3384, 3442..3492, 3447..3491, 3541..3585, 3556..3585, 3631..3660, 3633..3659, 3657..3698, 3658..3699, 3712..3789, 3717..3779, 3837..4106, 3847..4104, 4090..4161, 4209..4298		

Seq. No.	48005	Seq. ID	OJ000315_36.0412.C16
Gene No.	102155	Strand	+
Start	5185	End	6918
Name	OJ000315_36.0412.C16.o1.ts	Method	TBLASTX:Soybean
Start	3007	End	4026
GI	none	Score	71

Exons	3007..3126, 3139..3345, 3367..3513, 3517..3585, 3633..3698, 3634..3699, 3712..3786, 3726..3779, 3837..4025, 3847..4026		
Seq. No.	48005	Seq. ID	OJ000315_36.0412.C16
Gene No.	102155	Strand	+
Start	5185	End	6918
Name	OJ000315_36.0412.C16.o1.tc	Method	TBLASTX:Cress
Start	3445	End	4026
GI	none	Score	71
Exons	3445..3510, 3538..3585, 3607..3708, 3706..3789, 3831..3857, 3847..4026, 3849..4025		
Seq. No.	48005	Seq. ID	OJ000315_36.0412.C16
Gene No.	102155	Strand	+
Start	5185	End	6918
Name	OJ000315_36.0412.C16.o1.tw	Method	TBLASTX:Wheat
Start	3729	End	4011
GI	none	Score	63
Exons	3729..3779, 3730..3792, 3847..4011, 3855..4010		
Seq. No.	48005	Seq. ID	OJ000315_36.0412.C16
Gene No.	102155	Strand	+
Start	5185	End	6918
Name	OJ000315_36.0412.C16.o2.gs	Method	GENSCAN
Start	5185	End	6677
GI	none	Score	.8
Exons	5185..5382, 6480..6677		
Seq. No.	48005	Seq. ID	OJ000315_36.0412.C16
Gene No.	102155	Strand	+
Start	5185	End	6918
Name	OJ000315_36.0412.C16.o2.np	Method	AAT/NAP
Start	5357	End	6918
GI	6587800	Score	88
Exons	5357..5381, 6484..6677, 6899..6918		
GI Descrip.	(AC010924) T24D18.4 [Arabidopsis thaliana]		
Seq. No.	48006	Seq. ID	OJ000315_36.0412.C18
Gene No.	102156	Strand	+
Start	752	End	1483
Name	OJ000315_36.0412.C18.o1.gs	Method	GENSCAN
Start	752	End	1483
GI	none	Score	.48
Exons	752..895, 1016..1134, 1228..1483		
Seq. No.	48006	Seq. ID	OJ000315_36.0412.C18
Gene No.	102157	Strand	-
Start	634	End	853
Name	OJ000315_36.0412.C18.o1.gp	Method	AAT/GAP
Start	634	End	853
GI	none	Score	407
Exons	634..853		
Seq. No.	48006	Seq. ID	OJ000315_36.0412.C18
Gene No.	102158	Strand	-
Start	1626	End	5085
Name	OJ000315_36.0412.C18.o1.np	Method	AAT/NAP

Start	1626	End	4825
GI	1707016	Score	243
Exons	1626..1646, 3173..3488, 4757..4825		
GI Descrip.	(U78721) putative AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	48006	Seq. ID	OJ000315_36.0412.C18
Gene No.	102158	Strand	-
Start	1626	End	5085
Name	OJ000315_36.0412.C18.o2.gs	Method	GENSCAN
Start	2796	End	3533
GI	none	Score	.91
Exons	2796..3533		

Seq. No.	48006	Seq. ID	OJ000315_36.0412.C18
Gene No.	102158	Strand	-
Start	1626	End	5085
Name	OJ000315_36.0412.C18.o1.ts	Method	TBLASTX:Soybean
Start	3282	End	3444
GI	none	Score	90
Exons	3282..3443, 3391..3444		

Seq. No.	48006	Seq. ID	OJ000315_36.0412.C18
Gene No.	102158	Strand	-
Start	1626	End	5085
Name	OJ000315_36.0412.C18.o1.tc	Method	TBLASTX:Cress
Start	3288	End	3444
GI	none	Score	101
Exons	3288..3443, 3388..3444		

Seq. No.	48006	Seq. ID	OJ000315_36.0412.C18
Gene No.	102158	Strand	-
Start	1626	End	5085
Name	OJ000315_36.0412.C18.o1.tm	Method	TBLASTX:Maize
Start	3291	End	3444
GI	none	Score	71
Exons	3291..3443, 3388..3444		

Seq. No.	48006	Seq. ID	OJ000315_36.0412.C18
Gene No.	102158	Strand	-
Start	1626	End	5085
Name	OJ000315_36.0412.C18.o3.gs	Method	GENSCAN
Start	3906	End	5085
GI	none	Score	.55
Exons	3906..3949, 4935..5085		

Seq. No.	48007	Seq. ID	OJ000315_36.0412.C19
Gene No.	102159	Strand	-
Start	301	End	679
Name	OJ000315_36.0412.C19.o1.gs	Method	GENSCAN
Start	301	End	679
GI	none	Score	.88
Exons	301..679		

Seq. No.	48008	Seq. ID	OJ000315_36.0412.C20
Gene No.	102160	Strand	+
Start	535	End	1005

Name	OJ000315_36.0412.C20.o1.gs	Method	GENSCAN
Start	535	End	1005
GI	none	Score	.61
Exons	535..644, 955..1005		

Seq. No.	48008	Seq. ID	OJ000315_36.0412.C20
Gene No.	102161	Strand	+
Start	1449	End	8777
Name	OJ000315_36.0412.C20.o1.np	Method	AAT/NAP
Start	1449	End	7558
GI	5042454	Score	184
Exons	1449..1870, 6933..7158, 7498..7558		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48008	Seq. ID	OJ000315_36.0412.C20
Gene No.	102161	Strand	+
Start	1449	End	8777
Name	OJ000315_36.0412.C20.o3.gs	Method	GENSCAN
Start	3045	End	8777
GI	none	Score	.77
Exons	3045..3239, 4901..4953, 5161..5309, 6787..6839, 7119..7289, 7505..7676, 8686..8777		

Seq. No.	48008	Seq. ID	OJ000315_36.0412.C20
Gene No.	102162	Strand	-
Start	1570	End	1839
Name	OJ000315_36.0412.C20.o2.gs	Method	GENSCAN
Start	1570	End	1839
GI	none	Score	.59
Exons	1570..1839		

Seq. No.	48008	Seq. ID	OJ000315_36.0412.C20
Gene No.	102163	Strand	-
Start	11293	End	11455
Name	OJ000315_36.0412.C20.o4.gs	Method	GENSCAN
Start	11293	End	11455
GI	none	Score	.96
Exons	11293..11455		

Seq. No.	48009	Seq. ID	OJ000315_36.0412.C21
Gene No.	102164	Strand	-
Start	173	End	367
Name	OJ000315_36.0412.C21.o1.gs	Method	GENSCAN
Start	173	End	367
GI	none	Score	.5
Exons	173..367		

Seq. No.	48010	Seq. ID	OJ000315_36.0412.C23
Gene No.	102165	Strand	+
Start	498	End	655
Name	OJ000315_36.0412.C23.o2.np	Method	AAT/NAP
Start	498	End	655
GI	7340920	Score	153
Exons	498..655		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	48010	Seq. ID	OJ000315_36.0412.C23

Gene No.	102166	Strand	+
Start	6458	End	6604
Name	OJ000315_36.0412.C23.o4.np	Method	AAT/NAP
Start	6458	End	6604
GI	5852093	Score	90
Exons	6458..6604		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	48010	Seq. ID	OJ000315_36.0412.C23
Gene No.	102167	Strand	-
Start	1	End	231
Name	OJ000315_36.0412.C23.o1.np	Method	AAT/NAP
Start	1	End	231
GI	6006359	Score	72
Exons	1..23, 136..231		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	48010	Seq. ID	OJ000315_36.0412.C23
Gene No.	102168	Strand	-
Start	4483	End	7093
Name	OJ000315_36.0412.C23.o3.np	Method	AAT/NAP
Start	4483	End	7093
GI	6911863	Score	99
Exons	4483..4516, 6142..6285, 7026..7093		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	48010	Seq. ID	OJ000315_36.0412.C23
Gene No.	102168	Strand	-
Start	4483	End	7093
Name	OJ000315_36.0412.C23.o1.gp	Method	AAT/GAP
Start	5861	End	6106
GI	2797210	Score	465
Exons	5861..6106		

Seq. No.	48010	Seq. ID	OJ000315_36.0412.C23
Gene No.	102168	Strand	-
Start	4483	End	7093
Name	OJ000315_36.0412.C23.o1.tm	Method	TBLASTX:Maize
Start	5899	End	6275
GI	none	Score	99
Exons	5899..6042, 5902..6108, 5906..6109, 5990..6109, 6088..6126, 6092..6136, 6127..6273, 6128..6274, 6135..6275		

Seq. No.	48010	Seq. ID	OJ000315_36.0412.C23
Gene No.	102168	Strand	-
Start	4483	End	7093
Name	OJ000315_36.0412.C23.o1.ts	Method	TBLASTX:Soybean
Start	6007	End	6289
GI	none	Score	73
Exons	6007..6087, 6029..6124, 6130..6288, 6131..6289		

Seq. No.	48011	Seq. ID	OJ000315_36.0412.C24
Gene No.	102169	Strand	-
Start	1	End	3033
Name	OJ000315_36.0412.C24.o1.np	Method	AAT/NAP
Start	1	End	2886
GI	7485967	Score	857

Exons	1..27, 365..606, 1235..1528, 1621..1806, 2848..2886		
GI Descrip.	hypothetical protein F22K18.170 - Arabidopsis thaliana gi|4220527|emb|CAA23000.1| (AL035356) putative protein [Arabidopsis thaliana] gi|7269313|emb|CAB79373.1| (AL161561) putative protein [Arabidopsis thaliana]		
Seq. No.	48011	Seq. ID	OJ000315_36.0412.C24
Gene No.	102169	Strand	-
Start	1	End	3033
Name	OJ000315_36.0412.C24.o1.ts	Method	TBLASTX:Soybean
Start	256	End	1510
GI	none	Score	175
Exons	256..297, 373..615, 373..606, 377..616, 377..616, 1238..1408, 1239..1400, 1239..1412, 1241..1402, 1409..1495, 1412..1510, 1413..1496		
Seq. No.	48011	Seq. ID	OJ000315_36.0412.C24
Gene No.	102169	Strand	-
Start	1	End	3033
Name	OJ000315_36.0412.C24.o1.tc	Method	TBLASTX:Cress
Start	368	End	606
GI	none	Score	221
Exons	368..595, 373..606, 487..606		
Seq. No.	48011	Seq. ID	OJ000315_36.0412.C24
Gene No.	102169	Strand	-
Start	1	End	3033
Name	OJ000315_36.0412.C24.o2.tm	Method	TBLASTX:Maize
Start	368	End	616
GI	none	Score	311
Exons	368..616, 373..609		
Seq. No.	48011	Seq. ID	OJ000315_36.0412.C24
Gene No.	102169	Strand	-
Start	1	End	3033
Name	OJ000315_36.0412.C24.o1.gs	Method	GENSCAN
Start	373	End	2910
GI	none	Score	.59
Exons	373..606, 1235..1528, 1621..1804, 2362..2488, 2588..2669, 2848..2910		
Seq. No.	48011	Seq. ID	OJ000315_36.0412.C24
Gene No.	102169	Strand	-
Start	1	End	3033
Name	OJ000315_36.0412.C24.o1.tm	Method	TBLASTX:Maize
Start	1235	End	1783
GI	none	Score	88
Exons	1235..1387, 1235..1414, 1239..1415, 1412..1540, 1413..1496, 1469..1528, 1660..1782, 1661..1783		
Seq. No.	48011	Seq. ID	OJ000315_36.0412.C24
Gene No.	102169	Strand	-
Start	1	End	3033
Name	OJ000315_36.0412.C24.o1.tw	Method	TBLASTX:Wheat
Start	1235	End	1540
GI	none	Score	116
Exons	1235..1387, 1240..1398, 1240..1365, 1241..1408, 1242..1409,		

1442..1540, 1452..1520

Seq. No.	48011	Seq. ID	OJ000315_36.0412.C24
Gene No.	102169	Strand	-
Start	1	End	3033
Name	OJ000315_36.0412.C24.o2.tc	Method	TBLASTX:Cress
Start	1238	End	1804
GI	none	Score	159
Exons	1238..1399, 1239..1400, 1436..1525, 1452..1535, 1675..1803, 1694..1804		

Seq. No.	48011	Seq. ID	OJ000315_36.0412.C24
Gene No.	102169	Strand	-
Start	1	End	3033
Name	OJ000315_36.0412.C24.o1.gp	Method	AAT/GAP
Start	1402	End	3033
GI	2312663	Score	773
Exons	1402..1527, 1659..1806, 2848..3033		
GI Descrip.	4220527/emb|CAA23000| 2.0e-18 (AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	48012	Seq. ID	OJ000315_36.0412.C25
Gene No.	102170	Strand	+
Start	677	End	1329
Name	OJ000315_36.0412.C25.o1.gs	Method	GENSCAN
Start	677	End	1329
GI	none	Score	.59
Exons	677..814, 1155..1329		

Seq. No.	48013	Seq. ID	OJ000315_36.0412.C28
Gene No.	102171	Strand	+
Start	822	End	893
Name	OJ000315_36.0412.C28.o1.gs	Method	GENSCAN
Start	822	End	893
GI	none	Score	.4
Exons	822..893		

Seq. No.	48014	Seq. ID	OJ000315_36.0412.C29
Gene No.	102172	Strand	-
Start	1	End	721
Name	OJ000315_36.0412.C29.o1.np	Method	AAT/NAP
Start	1	End	721
GI	6015010	Score	93
Exons	1..26, 505..565, 679..721		
GI Descrip.	DNA POLYMERASE ALPHA CATALYTIC SUBUNIT gi|2826900|dbj|BAA24573.1| (AB004461) DNA polymerase alpha catalytic subunit [Oryza sativa]		

Seq. No.	48014	Seq. ID	OJ000315_36.0412.C29
Gene No.	102172	Strand	-
Start	1	End	721
Name	OJ000315_36.0412.C29.o1.gp	Method	AAT/GAP
Start	507	End	721
GI	2826899	Score	164
Exons	507..565, 679..721		
GI Descrip.	6015010/sp|O48653|DPOA_ORYSA 0.0e+00 DNA POLYMERASE ALPHA CATALYTIC SUBUNIT >gi_2826900_dbj_BAA24573_ (AB004461) DNA		

polymerase alpha catalytic subunit [Oryza sativa]

Seq. No.	48014	Seq. ID	OJ000315_36.0412.C29
Gene No.	102172	Strand	-
Start	1	End	721
Name	OJ000315_36.0412.C29.o1.gs	Method	GENSCAN
Start	509	End	565
GI	none	Score	.69
Exons	509..565		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102173	Strand	+
Start	5161	End	7814
Name	OJ000315_36.0412.C30.o2.gs	Method	GENSCAN
Start	5161	End	7814
GI	none	Score	.66
Exons	5161..6426, 6465..6640, 6678..6718, 7618..7814		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102174	Strand	+
Start	9521	End	10987
Name	OJ000315_36.0412.C30.o3.gs	Method	GENSCAN
Start	9521	End	10987
GI	none	Score	.98
Exons	9521..10987		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102175	Strand	+
Start	11466	End	14449
Name	OJ000315_36.0412.C30.o4.gs	Method	GENSCAN
Start	11466	End	14449
GI	none	Score	.48
Exons	11466..11502, 11599..11880, 13959..14449		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102176	Strand	+
Start	14968	End	22109
Name	OJ000315_36.0412.C30.o5.gs	Method	GENSCAN
Start	14968	End	17241
GI	none	Score	.83
Exons	14968..17241		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102176	Strand	+
Start	14968	End	22109
Name	OJ000315_36.0412.C30.o2.np	Method	AAT/NAP
Start	14971	End	22109
GI	1086249	Score	1933
Exons	14971..17094, 21948..22109		
GI Descrip.	subtilisin-like protease - Alnus glutinosa gi|757522|emb|CAA59964| (X85975) subtilisin-like protease [Alnus glutinosa]		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102177	Strand	-
Start	1	End	3983
Name	OJ000315_36.0412.C30.o1.gp	Method	AAT/GAP

Start	1	End	3115
GI	2826899	Score	3008
Exons	1..135, 235..348, 421..600, 686..800, 885..1048, 1274..1459, 1578..1668, 1779..1843, 1913..1987, 2100..2183, 2265..2432, 2850..3115		
GI Descrip.	6015010/sp|O48653|DPOA_ORYSA 0.0e+00 DNA POLYMERASE ALPHA CATALYTIC SUBUNIT >gi_2826900_dbj_BAA24573_ (AB004461) DNA polymerase alpha catalytic subunit [Oryza sativa]		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102177	Strand	-
Start	1	End	3983
Name	OJ000315_36.0412.C30.o1.np	Method	AAT/NAP
Start	1	End	3094
GI	6015010	Score	2392
Exons	1..135, 235..348, 421..600, 686..800, 885..1048, 1274..1459, 1578..1668, 1779..1843, 1913..1987, 2100..2183, 2265..2432, 2850..3094		
GI Descrip.	DNA POLYMERASE ALPHA CATALYTIC SUBUNIT gi|2826900|dbj|BAA24573.1| (AB004461) DNA polymerase alpha catalytic subunit [Oryza sativa]		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102177	Strand	-
Start	1	End	3983
Name	OJ000315_36.0412.C30.o1.gs	Method	GENSCAN
Start	235	End	3983
GI	none	Score	.96
Exons	235..348, 421..600, 686..800, 885..1048, 1274..1459, 1913..1987, 2100..2183, 2265..2432, 2850..3983		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o2.tc	Method	TBLASTX:Cress
Start	16	End	724
GI	none	Score	38
Exons	16..57, 23..49, 62..133, 62..133, 64..135, 75..149, 271..351, 272..349, 404..526, 415..528, 419..529, 530..598, 532..597, 540..602, 686..724		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o3.tm	Method	TBLASTX:Maize
Start	434	End	795
GI	none	Score	237
Exons	434..604, 436..600, 437..601, 438..608, 439..606, 691..795, 692..793, 693..794		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o3.ts	Method	TBLASTX:Soybean
Start	434	End	813
GI	none	Score	105
Exons	434..511, 436..522, 443..526, 471..521, 520..597, 527..598,		

573..602, 574..603, 683..802, 686..802, 694..813, 699..809

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o4.tm	Method	TBLASTX:Maize
Start	885	End	1634
GI	none	Score	248
Exons	885..1058, 886..1059, 887..1057, 896..1063, 1271..1471, 1277..1459, 1575..1634, 1576..1632, 1578..1634		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o5.tm	Method	TBLASTX:Maize
Start	6001	End	10816
GI	none	Score	108
Exons	6001..6183, 6010..6183, 6232..6477, 6240..6419, 10384..10452, 10436..10522, 10489..10758, 10571..10816		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o6.tm	Method	TBLASTX:Maize
Start	12237	End	12481
GI	none	Score	99
Exons	12237..12353, 12238..12363, 12241..12357, 12254..12358, 12351..12467, 12357..12479, 12359..12481, 12368..12481		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o2.tw	Method	TBLASTX:Wheat
Start	15010	End	20288
GI	none	Score	113
Exons	15010..15156, 15049..15153, 15058..15156, 15190..15312, 15319..15453, 15322..15453, 19408..19563, 19899..19946, 20025..20123, 20157..20288		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o1.tm	Method	TBLASTX:Maize
Start	15031	End	20918
GI	none	Score	90
Exons	15031..15132, 15058..15153, 15190..15312, 15319..15558, 15322..15609, 15336..15632, 15607..16011, 15615..16010, 15995..16060, 19908..19943, 19980..20120, 20157..20357, 20355..20918, 20355..20405, 20450..20857, 20529..20888		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o1.tc	Method	TBLASTX:Cress
Start	15049	End	21803
GI	none	Score	81
Exons	15049..15153, 15190..15312, 15367..15567, 15369..15566,		

15607..16032, 15615..15842, 15867..16010, 16210..16740,
16299..16691, 16750..16896, 16752..16880, 16915..16950,
16971..17018, 19899..19946, 19983..20123, 20262..20348,
20355..20981, 20438..20857, 21117..21383, 21278..21382,
21398..21562, 21399..21563, 21570..21803

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o1.ts	Method	TBLASTX:Soybean
Start	15052	End	21851
GI	none	Score	82

Exons 15052..15141, 15190..15297, 15322..15579, 15396..15578,
15591..16010, 15592..16011, 16300..16518, 16365..16448,
16473..16691, 16570..16692, 16752..16853, 16753..16896,
16918..16950, 17047..17196, 19908..19943, 19983..20123,
20157..20357, 20364..20975, 20432..20857, 21117..21383,
21284..21382, 21399..21563, 21401..21502, 21570..21713,
21768..21851

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o1.tw	Method	TBLASTX:Wheat
Start	15679	End	20957
GI	none	Score	82

Exons 15679..15756, 15760..15852, 15826..16050, 15867..16010,
20523..20594, 20619..20714, 20706..20957, 20708..20845,
20915..20956

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o2.tm	Method	TBLASTX:Maize
Start	16216	End	21800
GI	none	Score	359

Exons 16216..16749, 16365..16745, 16747..16914, 16921..16962,
16951..17151, 17167..17196, 21117..21362, 21275..21358,
21399..21563, 21401..21562, 21561..21800

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o3.tw	Method	TBLASTX:Wheat
Start	16407	End	21533
GI	none	Score	77

Exons 16407..16448, 16467..16523, 16468..16524, 16515..16706,
16516..16719, 21308..21385, 21309..21386, 21398..21502,
21399..21533

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o7.gs	Method	GENSCAN
Start	23471	End	28996
GI	none	Score	.82

Exons 23471..23772, 24063..24145, 24644..24756, 25002..25379,

25512..25689, 26119..26255, 27508..27612, 27795..27942,
28505..28745, 28846..28996

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o3.np	Method	AAT/NAP
Start	23531	End	29140
GI	6714342	Score	1766
Exons	23531..23803, 23890..24145, 24644..24756, 25002..25689, 26119..26255, 26682..26844, 27220..27377, 27505..27612, 27795..27942, 28505..28745, 28846..28914, 29120..29140		
GI Descrip.	(AC016162) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o2.ts	Method	TBLASTX:Soybean
Start	23594	End	24163
GI	none	Score	84
Exons	23594..23806, 23603..23743, 23878..24144, 23887..24162, 23894..24160, 23990..24163		

Seq. No.	48015	Seq. ID	OJ000315_36.0412.C30
Gene No.	102178	Strand	-
Start	23471	End	29140
Name	OJ000315_36.0412.C30.o2.gp	Method	AAT/GAP
Start	25516	End	27581
GI	28260_1.R1084	Score	1272
Exons	25516..25689, 26119..26255, 26682..26844, 27220..27377, 27508..27581		
GI Descrip.	'6015010/sp|O48653|DPOA_ORYSA 0.0e+00 DNA POLYMERASE ALPHA CATALYTIC SUBUNIT >gi_2826900_dbj_BAA24573_ (AB004461) DNA polymerase alpha catalytic subunit [Oryza sativa]'		

Seq. No.	48016	Seq. ID	OJ000315_36.0412.C31
Gene No.	102179	Strand	+
Start	122	End	338
Name	OJ000315_36.0412.C31.o1.gs	Method	GENSCAN
Start	122	End	338
GI	none	Score	.86
Exons	122..208, 234..338		

Seq. No.	48016	Seq. ID	OJ000315_36.0412.C31
Gene No.	102180	Strand	-
Start	542	End	691
Name	OJ000315_36.0412.C31.o2.gs	Method	GENSCAN
Start	542	End	691
GI	none	Score	.93
Exons	542..691		

Seq. No.	48017	Seq. ID	OJ000315_36.0412.C32
Gene No.	102181	Strand	+
Start	1252	End	4230
Name	OJ000315_36.0412.C32.o1.np	Method	AAT/NAP
Start	1252	End	4183
GI	4406759	Score	461

Exons	1252..1359, 1520..1860, 2147..2210, 2659..2787, 2892..3110, 3226..3339, 3925..4183		
GI Descrip.	(AC006836) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48017	Seq. ID	OJ000315_36.0412.C32
Gene No.	102181	Strand	+
Start	1252	End	4230
Name	OJ000315_36.0412.C32.o1.gs	Method	GENSCAN
Start	1437	End	4230
GI	none	Score	.96
Exons	1437..1834, 2031..2210, 2659..2787, 2892..3040, 3201..3339, 3925..4230		

Seq. No.	48017	Seq. ID	OJ000315_36.0412.C32
Gene No.	102181	Strand	+
Start	1252	End	4230
Name	OJ000315_36.0412.C32.o1.gp	Method	AAT/GAP
Start	1615	End	2148
GI	2428008	Score	639
Exons	1615..1834, 2031..2148		
GI Descrip.	4406759/gb|AAD20070| 1.0e-10 (AC006836) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48017	Seq. ID	OJ000315_36.0412.C32
Gene No.	102182	Strand	-
Start	4547	End	5493
Name	OJ000315_36.0412.C32.o1.tc	Method	TBLASTX:Cress
Start	1507	End	2825
GI	none	Score	245
Exons	1507..1752, 1508..1768, 2040..2210, 2668..2793, 2670..2825		

Seq. No.	48017	Seq. ID	OJ000315_36.0412.C32
Gene No.	102182	Strand	-
Start	4547	End	5493
Name	OJ000315_36.0412.C32.o1.ts	Method	TBLASTX:Soybean
Start	1525	End	3333
GI	none	Score	255
Exons	1525..1752, 1526..1768, 2138..2203, 2139..2210, 2656..2793, 2656..2757, 2667..2825, 3211..3333, 3259..3327		

Seq. No.	48017	Seq. ID	OJ000315_36.0412.C32
Gene No.	102182	Strand	-
Start	4547	End	5493
Name	OJ000315_36.0412.C32.o1.tm	Method	TBLASTX:Maize
Start	1543	End	1774
GI	none	Score	282
Exons	1543..1755, 1544..1774		

Seq. No.	48017	Seq. ID	OJ000315_36.0412.C32
Gene No.	102182	Strand	-
Start	4547	End	5493
Name	OJ000315_36.0412.C32.o2.tm	Method	TBLASTX:Maize
Start	2082	End	4185
GI	none	Score	118
Exons	2082..2210, 2656..2793, 2658..2789, 3173..3316, 3205..3375, 3205..3327, 3925..4185, 4059..4184		

Seq. No.	48017	Seq. ID	OJ000315_36.0412.C32
Gene No.	102182	Strand	-
Start	4547	End	5493
Name	OJ000315_36.0412.C32.o2.gs	Method	GENSCAN
Start	4547	End	5493
GI	none	Score	.9
Exons	4547..4676, 4855..4886, 5017..5111, 5416..5493		

Seq. No.	48018	Seq. ID	OJ000315_36.0412.C33
Gene No.	102183	Strand	
Start	779	End	1179
Name	OJ000315_36.0412.C33.o1.tm	Method	TBLASTX:Maize
Start	779	End	1179
GI	none	Score	93
Exons	779..943, 802..948, 803..877, 810..944, 813..950, 814..957, 1028..1177, 1045..1179, 1054..1179		

Seq. No.	48019	Seq. ID	OJ000315_36.0412.C34
Gene No.	102184	Strand	-
Start	191	End	961
Name	OJ000315_36.0412.C34.o1.gp	Method	AAT/GAP
Start	191	End	961
GI	183_4.R1084	Score	1534
Exons	191..961		
GI Descrip.	'6015010/sp|O48653|DPOA_ORYSA 0.0e+00 DNA POLYMERASE ALPHA CATALYTIC SUBUNIT >gi_2826900_dbj_BAA24573_ (AB004461) DNA polymerase alpha catalytic subunit [Oryza sativa]'		

Seq. No.	48019	Seq. ID	OJ000315_36.0412.C34
Gene No.	102184	Strand	-
Start	191	End	961
Name	OJ000315_36.0412.C34.o1.gs	Method	GENSCAN
Start	505	End	841
GI	none	Score	.99
Exons	505..841		

Seq. No.	48019	Seq. ID	OJ000315_36.0412.C34
Gene No.	102184	Strand	-
Start	191	End	961
Name	OJ000315_36.0412.C34.o1.tm	Method	TBLASTX:Maize
Start	505	End	957
GI	none	Score	86
Exons	505..582, 524..625, 577..711, 578..712, 589..831, 590..835, 907..957, 907..957		

Seq. No.	48019	Seq. ID	OJ000315_36.0412.C34
Gene No.	102184	Strand	-
Start	191	End	961
Name	OJ000315_36.0412.C34.o1.ts	Method	TBLASTX:Soybean
Start	508	End	961
GI	none	Score	255
Exons	508..750, 524..751, 550..741, 551..742, 751..801, 752..802, 814..960, 907..957, 908..961		

Seq. No.	48019	Seq. ID	OJ000315_36.0412.C34
Gene No.	102184	Strand	-
Start	191	End	961

Name	OJ000315_36.0412.C34.o1.tc	Method	TBLASTX:Cress
Start	508	End	961
GI	none	Score	329
Exons	508..831, 530..835, 550..738, 551..739, 823..960, 907..957, 908..961		

Seq. No.	48019	Seq. ID	OJ000315_36.0412.C34
Gene No.	102184	Strand	-
Start	191	End	961
Name	OJ000315_36.0412.C34.o1.np	Method	AAT/NAP
Start	508	End	961
GI	6103011	Score	668
Exons	508..961		
GI Descrip.	(X84225) precursor of photosystem II subunit (22KDa) [Nicotiana tabacum]		

Seq. No.	48020	Seq. ID	OJ000315_31.0410.C1
Gene No.	102185	Strand	+
Start	498	End	1779
Name	OJ000315_31.0410.C1.o1.gs	Method	GENSCAN
Start	498	End	1739
GI	none	Score	74
Exons	498..630, 762..802, 1291..1393, 1677..1739		

Seq. No.	48020	Seq. ID	OJ000315_31.0410.C1
Gene No.	102185	Strand	+
Start	498	End	1779
Name	OJ000315_31.0410.C1.o1.np	Method	AAT/NAP
Start	498	End	1779
GI	7362779	Score	322
Exons	498..630, 866..952, 1064..1166, 1291..1393, 1539..1592, 1677..1779		
GI Descrip.	(AL162691) transporter-like protein [Arabidopsis thaliana]		

Seq. No.	48020	Seq. ID	OJ000315_31.0410.C1
Gene No.	102185	Strand	+
Start	498	End	1779
Name	OJ000315_31.0410.C1.o1.ts	Method	TBLASTX:Soybean
Start	498	End	1598
GI	none	Score	85
Exons	498..653, 761..805, 892..954, 1048..1167, 1075..1158, 1282..1413, 1286..1393, 1330..1413, 1533..1598		

Seq. No.	48020	Seq. ID	OJ000315_31.0410.C1
Gene No.	102185	Strand	+
Start	498	End	1779
Name	OJ000315_31.0410.C1.o1.tw	Method	TBLASTX:Wheat
Start	509	End	805
GI	none	Score	129
Exons	509..628, 520..597, 522..635, 757..801, 758..805, 761..805		

Seq. No.	48020	Seq. ID	OJ000315_31.0410.C1
Gene No.	102185	Strand	+
Start	498	End	1779
Name	OJ000315_31.0410.C1.o1.tc	Method	TBLASTX:Cress
Start	525	End	1161
GI	none	Score	113

Exons	525..653, 530..622, 758..805, 763..792, 891..953, 892..954, 1048..1161, 1062..1151		
Seq. No.	48020	Seq. ID	OJ000315_31.0410.C1
Gene No.	102185	Strand	+
Start	498	End	1779
Name	OJ000315_31.0410.C1.o1.tm	Method	TBLASTX:Maize
Start	882	End	1169
GI	none	Score	94
Exons	882..950, 883..951, 889..954, 1048..1167, 1065..1169		
Seq. No.	48021	Seq. ID	OJ000315_31.0410.C3
Gene No.	102186	Strand	-
Start	184	End	271
Name	OJ000315_31.0410.C3.o1.gs	Method	GENSCAN
Start	184	End	271
GI	none	Score	.84
Exons	184..271		
Seq. No.	48022	Seq. ID	OJ000315_31.0410.C4
Gene No.	102187	Strand	+
Start	478	End	626
Name	OJ000315_31.0410.C4.o1.gs	Method	GENSCAN
Start	478	End	626
GI	none	Score	.46
Exons	478..626		
Seq. No.	48022	Seq. ID	OJ000315_31.0410.C4
Gene No.	102188	Strand	-
Start	77	End	2318
Name	OJ000315_31.0410.C4.o1.np	Method	AAT/NAP
Start	77	End	2249
GI	6552743	Score	82
Exons	77..112, 2051..2249		
GI Descrip.	(AC013482) T26F17.11 [Arabidopsis thaliana]		
Seq. No.	48022	Seq. ID	OJ000315_31.0410.C4
Gene No.	102188	Strand	-
Start	77	End	2318
Name	OJ000315_31.0410.C4.o2.gs	Method	GENSCAN
Start	1701	End	2318
GI	none	Score	.57
Exons	1701..1768, 1828..1904, 2065..2318		
Seq. No.	48023	Seq. ID	OJ000315_31.0410.C5
Gene No.	102189	Strand	+
Start	1189	End	2805
Name	OJ000315_31.0410.C5.o1.gs	Method	GENSCAN
Start	1189	End	2805
GI	none	Score	.76
Exons	1189..1300, 1559..1776, 2692..2805		
Seq. No.	48023	Seq. ID	OJ000315_31.0410.C5
Gene No.	102190	Strand	-
Start	4013	End	4336
Name	OJ000315_31.0410.C5.o2.gs	Method	GENSCAN
Start	4013	End	4336

GI	none	Score	.98
Exons	4013..4336		

Seq. No.	48024	Seq. ID	OJ000315_31.0410:C6
Gene No.	102191	Strand	+
Start	1472	End	4074
Name	OJ000315_31.0410.C6.o1.gs	Method	GENSCAN
Start	1472	End	3901
GI	none	Score	.74
Exons	1472..1959, 2042..2110, 2790..2888, 2968..3360, 3758..3901		

Seq. No.	48024	Seq. ID	OJ000315_31.0410.C6
Gene No.	102191	Strand	+
Start	1472	End	4074
Name	OJ000315_31.0410.C6.o1.gp	Method	AAT/GAP
Start	1655	End	2845
GI	738_4.R1084	Score	789
Exons	1655..1959, 2042..2110, 2790..2845		
GI Descrip.	'730580/sp|P41095|RLA0_ORYSA 1.0e-13 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]'		

Seq. No.	48024	Seq. ID	OJ000315_31.0410.C6
Gene No.	102191	Strand	+
Start	1472	End	4074
Name	OJ000315_31.0410.C6.o1.np	Method	AAT/NAP
Start	1702	End	3898
GI	730580	Score	1433
Exons	1702..1959, 2042..2110, 2790..2888, 2968..3360, 3758..3898		
GI Descrip.	60S ACIDIC RIBOSOMAL PROTEIN P0 gi|455401|dbj|BAA04668| (D21130) acidic ribosomal protein P0 [Oryza sativa]		

Seq. No.	48024	Seq. ID	OJ000315_31.0410.C6
Gene No.	102191	Strand	+
Start	1472	End	4074
Name	OJ000315_31.0410.C6.o2.gp	Method	AAT/GAP
Start	3093	End	4074
GI	3763837	Score	1036
Exons	3093..3360, 3758..4074		
GI Descrip.	730580/sp|P41095|RLA0_ORYSA 1.0e-13 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]		

Seq. No.	48024	Seq. ID	OJ000315_31.0410.C6
Gene No.	102192	Strand	+
Start	5069	End	6906
Name	OJ000315_31.0410.C6.o2.tw	Method	TBLASTX:Wheat
Start	1666	End	1964
GI	none	Score	389
Exons	1666..1941, 1710..1964		

Seq. No.	48024	Seq. ID	OJ000315_31.0410.C6
Gene No.	102192	Strand	+
Start	5069	End	6906
Name	OJ000315_31.0410.C6.o1.tc	Method	TBLASTX:Cress
Start	1675	End	3365
GI	none	Score	300

Exons 1675..1938, 1716..1955, 2041..2112, 2042..2113, 2787..2894, 2829..2891, 2958..3362, 2965..3360, 2967..3365

Seq. No. 48024 Seq. ID OJ000315_31.0410.C6
Gene No. 102192 Strand +
Start 5069 End 6906
Name OJ000315_31.0410.C6.o1.tm Method TBLASTX:Maize
Start 1696 End 3362
GI none Score 351
Exons 1696..1935, 1710..1964, 2032..2112, 2042..2113, 2787..2894, 2829..2891, 2958..3362, 2965..3360, 2967..3362

Seq. No. 48024 Seq. ID OJ000315_31.0410.C6
Gene No. 102192 Strand +
Start 5069 End 6906
Name OJ000315_31.0410.C6.o1.ts Method TBLASTX:Soybean
Start 1699 End 3362
GI none Score 62
Exons 1699..1746, 1716..1751, 1750..1938, 1752..1964, 2032..2112, 2042..2113, 2787..2894, 2829..2894, 2958..3362, 2965..3360, 2967..3362

Seq. No. 48024 Seq. ID OJ000315_31.0410.C6
Gene No. 102192 Strand +
Start 5069 End 6906
Name OJ000315_31.0410.C6.o1.tw Method TBLASTX:Wheat
Start 2787 End 3255
GI none Score 97
Exons 2787..2894, 2829..2891, 2851..2895, 2957..3244, 2958..3251, 2958..3254, 2965..3255

Seq. No. 48024 Seq. ID OJ000315_31.0410.C6
Gene No. 102192 Strand +
Start 5069 End 6906
Name OJ000315_31.0410.C6.o2.gs Method GENSCAN
Start 5069 End 6906
GI none Score .4
Exons 5069..5301, 6866..6906

Seq. No. 48024 Seq. ID OJ000315_31.0410.C6
Gene No. 102192 Strand +
Start 5069 End 6906
Name OJ000315_31.0410.C6.o3.gp Method AAT/GAP
Start 6245 End 6345
GI LIB3477-003-P1-K1-E9 Score 122
Exons 6245..6345
GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No. 48025 Seq. ID OJ000315_31.0410.C7
Gene No. 102193 Strand +
Start 1 End 6815
Name OJ000315_31.0410.C7.o1.np Method AAT/NAP
Start 1 End 6815
GI 6630695 Score 587
Exons 1..169, 275..328, 425..487, 563..612, 715..790, 986..1162,

	1362..1456, 1596..1674, 1757..1864, 2201..2245, 2338..2426, 2548..2591, 2873..2948, 6782..6815
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	48025	Seq. ID	OJ000315_31.0410.C7
Gene No.	102193	Strand	+
Start	1	End	6815
Name	OJ000315_31.0410.C7.o1.tm	Method	TBLASTX:Maize
Start	421	End	798
GI	none	Score	91
Exons	421..480, 422..490, 556..612, 557..616, 691..798, 707..793		

Seq. No.	48025	Seq. ID	OJ000315_31.0410.C7
Gene No.	102193	Strand	+
Start	1	End	6815
Name	OJ000315_31.0410.C7.o1.gs	Method	GENSCAN
Start	425	End	1847
GI	none	Score	.48
Exons	425..487, 563..612, 715..790, 986..1162, 1362..1449, 1589..1674, 1827..1847		

Seq. No.	48025	Seq. ID	OJ000315_31.0410.C7
Gene No.	102193	Strand	+
Start	1	End	6815
Name	OJ000315_31.0410.C7.o2.tm	Method	TBLASTX:Maize
Start	985	End	1423
GI	none	Score	95
Exons	985..1080, 986..1081, 1073..1165, 1076..1165, 1361..1423, 1362..1421		

Seq. No.	48026	Seq. ID	OJ000315_31.0410.C8
Gene No.	102194	Strand	+
Start	1	End	769
Name	OJ000315_31.0410.C8.o1.np	Method	AAT/NAP
Start	1	End	769
GI	6630695	Score	182
Exons	1..111, 191..253, 344..393, 473..548, 739..769		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48026	Seq. ID	OJ000315_31.0410.C8
Gene No.	102194	Strand	+
Start	1	End	769
Name	OJ000315_31.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	52	End	599
GI	none	Score	39
Exons	52..99, 191..253, 212..253, 332..397, 340..393, 465..599, 470..586		

Seq. No.	48026	Seq. ID	OJ000315_31.0410.C8
Gene No.	102194	Strand	+
Start	1	End	769
Name	OJ000315_31.0410.C8.o1.gs	Method	GENSCAN
Start	473	End	548

GI	none	Score	.87
Exons	473..548		

Seq. No.	48027	Seq. ID	OJ000315_31.0410.C11
Gene No.	102195	Strand	+
Start	291	End	550
Name	OJ000315_31.0410.C11.o1.gs	Method	GENSCAN
Start	291	End	550
GI	none	Score	.66
Exons	291..550		

Seq. No.	48028	Seq. ID	OJ000315_31.0410.C12
Gene No.	102196	Strand	-
Start	1	End	708
Name	OJ000315_31.0410.C12.o1.np	Method	AAT/NAP
Start	1	End	708
GI	7362779	Score	61
Exons	1..28, 563..708		
GI Descrip.	(AL162691) transporter-like protein [Arabidopsis thaliana]		

Seq. No.	48028	Seq. ID	OJ000315_31.0410.C12
Gene No.	102197	Strand	-
Start	675	End	883
Name	OJ000315_31.0410.C12.o1.gp	Method	AAT/GAP
Start	675	End	883
GI	426546	Score	341
Exons	675..883		

Seq. No.	48029	Seq. ID	OJ000315_31.0410.C14
Gene No.	102198	Strand	+
Start	540	End	1643
Name	OJ000315_31.0410.C14.o1.gp	Method	AAT/GAP
Start	540	End	815
GI	64040_1.R1084	Score	225
Exons	540..642, 769..815		
GI Descrip.	'4191784 4.0e-32 (AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]'		

Seq. No.	48029	Seq. ID	OJ000315_31.0410.C14
Gene No.	102198	Strand	+
Start	540	End	1643
Name	OJ000315_31.0410.C14.o1.gs	Method	GENSCAN
Start	576	End	1313
GI	none	Score	.71
Exons	576..642, 1026..1132, 1235..1313		

Seq. No.	48029	Seq. ID	OJ000315_31.0410.C14
Gene No.	102198	Strand	+
Start	540	End	1643
Name	OJ000315_31.0410.C14.o1.np	Method	AAT/NAP
Start	598	End	1643
GI	4191784	Score	282
Exons	598..642, 769..813, 1026..1132, 1235..1313, 1589..1643		
GI Descrip.	(AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]		

Seq. No.	48029	Seq. ID	OJ000315_31.0410.C14
Gene No.	102198	Strand	+

Start	540	End	1643
Name	OJ000315_31.0410.C14.o1.tc	Method	TBLASTX:Cress
Start	766	End	1642
GI	none	Score	61
Exons	766..816, 1014..1130, 1025..1132, 1227..1313, 1586..1642		

Seq. No.	48029	Seq. ID	OJ000315_31.0410.C14
Gene No.	102198	Strand	+
Start	540	End	1643
Name	OJ000315_31.0410.C14.o1.ts	Method	TBLASTX:Soybean
Start	1014	End	1639
GI	none	Score	161
Exons	1014..1130, 1014..1130, 1025..1135, 1227..1313, 1586..1639		

Seq. No.	48029	Seq. ID	OJ000315_31.0410.C14
Gene No.	102198	Strand	+
Start	540	End	1643
Name	OJ000315_31.0410.C14.o1.tm	Method	TBLASTX:Maize
Start	1017	End	1643
GI	none	Score	187
Exons	1017..1130, 1023..1130, 1025..1132, 1225..1335, 1227..1313, 1234..1341, 1580..1639, 1586..1642, 1587..1643		

Seq. No.	48030	Seq. ID	OJ000315_31.0410.C15
Gene No.	102199	Strand	+
Start	1	End	758
Name	OJ000315_31.0410.C15.o1.np	Method	AAT/NAP
Start	1	End	740
GI	4191784	Score	423
Exons	1..73, 226..329, 419..558, 643..740		
GI Descrip.	(AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]		

Seq. No.	48030	Seq. ID	OJ000315_31.0410.C15
Gene No.	102199	Strand	+
Start	1	End	758
Name	OJ000315_31.0410.C15.o1.tc	Method	TBLASTX:Cress
Start	3	End	758
GI	none	Score	61
Exons	3..71, 4..75, 4..66, 9..77, 222..329, 224..328, 409..555, 413..559, 413..499, 416..559, 417..566, 640..741, 641..715, 666..758		

Seq. No.	48030	Seq. ID	OJ000315_31.0410.C15
Gene No.	102199	Strand	+
Start	1	End	758
Name	OJ000315_31.0410.C15.o1.tm	Method	TBLASTX:Maize
Start	10	End	720
GI	none	Score	49
Exons	10..36, 51..74, 222..329, 224..328, 408..554, 409..555, 413..559, 413..487, 416..556, 640..720, 641..715		

Seq. No.	48030	Seq. ID	OJ000315_31.0410.C15
Gene No.	102199	Strand	+
Start	1	End	758
Name	OJ000315_31.0410.C15.o1.ts	Method	TBLASTX:Soybean
Start	13	End	719
GI	none	Score	105

Exons	13..75, 13..72, 15..77, 222..266, 224..265, 261..329, 269..328, 273..335, 274..348, 404..559, 408..560, 409..573, 413..559, 415..561, 640..717, 641..715, 648..719		
Seq. No.	48030	Seq. ID	OJ000315_31.0410.C15
Gene No.	102199	Strand	+
Start	1	End	758
Name	OJ000315_31.0410.C15.o1.gs	Method	GENSCAN
Start	20	End	577
GI	none	Score	.45
Exons	20..73, 371..577		
Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102200	Strand	+
Start	119	End	540
Name	OJ000315_31.0410.C16.o1.gs	Method	GENSCAN
Start	119	End	540
GI	none	Score	.98
Exons	119..236, 409..540		
Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102200	Strand	+
Start	119	End	540
Name	OJ000315_31.0410.C16.o1.np	Method	AAT/NAP
Start	119	End	537
GI	4191784	Score	247
Exons	119..236, 409..537		
GI Descrip.	(AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]		
Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102201	Strand	+
Start	1307	End	2538
Name	OJ000315_31.0410.C16.o2.gs	Method	GENSCAN
Start	1307	End	2305
GI	none	Score	.43
Exons	1307..1452, 1799..2171, 2270..2305		
Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102201	Strand	+
Start	1307	End	2538
Name	OJ000315_31.0410.C16.o2.np	Method	AAT/NAP
Start	1658	End	2538
GI	7441481	Score	503
Exons	1658..1733, 1816..2189, 2428..2538		
GI Descrip.	probable calmodulin - rice gi|1235664|gb|AAA98933.1| (U37936) novel calmodulin-like protein [Oryza sativa] gi|3171148|gb|AAC18355.1| (AF064456) calmodulin-like protein [Oryza sativa subsp. indica] gi|6969639|gb|AAF33852.1| (AF231026) calmodulin-like protein [Oryza sativa]		
Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102202	Strand	-
Start	2988	End	5603
Name	OJ000315_31.0410.C16.o3.tm	Method	TBLASTX:Maize
Start	119	End	523
GI	none	Score	128
Exons	119..238, 120..236, 199..270, 394..522, 394..522, 401..523		

Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102202	Strand	-
Start	2988	End	5603
Name	OJ000315_31.0410.C16.o3.ts	Method	TBLASTX:Soybean
Start	120	End	522
GI	none	Score	120
Exons	120..236, 394..522, 408..500		

Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102202	Strand	-
Start	2988	End	5603
Name	OJ000315_31.0410.C16.o1.tw	Method	TBLASTX:Wheat
Start	1614	End	2186
GI	none	Score	104
Exons	1614..1733, 1658..1735, 1811..2182, 1815..2186, 1992..2186		

Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102202	Strand	-
Start	2988	End	5603
Name	OJ000315_31.0410.C16.o1.tc	Method	TBLASTX:Cress
Start	1652	End	2209
GI	none	Score	107
Exons	1652..1735, 1811..2083, 1815..2186, 1992..2186, 2147..2209		

Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102202	Strand	-
Start	2988	End	5603
Name	OJ000315_31.0410.C16.o1.tm	Method	TBLASTX:Maize
Start	1658	End	2186
GI	none	Score	104
Exons	1658..1735, 1658..1735, 1662..1721, 1664..1732, 1811..2182, 1811..2182, 1815..2186, 1815..2186, 1992..2186, 1992..2186		

Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102202	Strand	-
Start	2988	End	5603
Name	OJ000315_31.0410.C16.o1.ts	Method	TBLASTX:Soybean
Start	1658	End	2186
GI	none	Score	104
Exons	1658..1735, 1664..1735, 1811..2182, 1815..2186, 1992..2186		

Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102202	Strand	-
Start	2988	End	5603
Name	OJ000315_31.0410.C16.o1.gp	Method	AAT/GAP
Start	2676	End	3457
GI	28059_1.R1084	Score	969
Exons	2676..3062, 3236..3310, 3391..3457		
GI Descrip.	'6005956/ref|NP_009171.1|pYVH1| 2.0e-15 S. cerevisiae YVH1 protein-tyrosine phosphatase ortholog >gi_5764099_gb_AAD51134.1_AF119226_1 (AF119226) dual-specificity tyrosine phosphatase YVH1 [Homo sapiens]'		

Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102202	Strand	-
Start	2988	End	5603

Name	OJ000315_31.0410.C16.o3.gs	Method	GENSCAN
Start	2988	End	5116
GI	none	Score	.94
Exons	2988..3062, 3236..3310, 3577..3690, 4039..4146, 4252..4374, 4660..4749, 4832..4957, 5063..5116		

Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102202	Strand	-
Start	2988	End	5603
Name	OJ000315_31.0410.C16.o3.np	Method	AAT/NAP
Start	2988	End	5603
GI	7446371	Score	1217
Exons	2988..3062, 3236..3310, 3391..3447, 3577..3690, 4039..4146, 4252..4374, 4660..4749, 4832..4957, 5063..5116, 5253..5603		
GI Descrip.	probable serine/threonine kinase (EC 2.7.1.-) SNFL1 - sorghum gi|2632252|emb|CAA73067.1| (Y12464) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102202	Strand	-
Start	2988	End	5603
Name	OJ000315_31.0410.C16.o2.tm	Method	TBLASTX:Maize
Start	2997	End	5340
GI	none	Score	91
Exons	2997..3065, 3004..3063, 3227..3328, 3236..3313, 3237..3317, 3238..3321, 3385..3450, 3392..3448, 3400..3453, 3405..3455, 3574..3693, 3577..3693, 3578..3694, 3579..3698, 3998..4129, 4037..4129, 4038..4133, 4039..4158, 4117..4161, 4118..4147, 4252..4374, 4252..4371, 4259..4375, 4659..4751, 4660..4749, 4660..4752, 4661..4750, 4829..4960, 4829..4957, 4876..4968, 5046..5117, 5048..5122, 5052..5117, 5063..5122, 5244..5315, 5251..5340, 5253..5339		

Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102202	Strand	-
Start	2988	End	5603
Name	OJ000315_31.0410.C16.o2.ts	Method	TBLASTX:Soybean
Start	4039	End	5342
GI	none	Score	78
Exons	4039..4158, 4040..4123, 4118..4147, 4250..4369, 4252..4371, 4660..4752, 4661..4750, 4829..4957, 4833..4958, 4838..4960, 4900..4974, 5048..5122, 5049..5144, 5251..5334, 5251..5334, 5253..5339, 5256..5342		

Seq. No.	48031	Seq. ID	OJ000315_31.0410.C16
Gene No.	102202	Strand	-
Start	2988	End	5603
Name	OJ000315_31.0410.C16.o2.tc	Method	TBLASTX:Cress
Start	4660	End	5340
GI	none	Score	63
Exons	4660..4752, 4661..4750, 4829..4957, 4836..4958, 4847..4960, 5048..5125, 5049..5135, 5253..5339, 5266..5340		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102203	Strand	+
Start	496	End	5546
Name	OJ000315_31.0410.C17.o1.gs	Method	GENSCAN

Start	496	End	5546
GI	none	Score	.88
Exons	496..701, 2588..3714, 4100..4349, 4461..4546, 4641..4798, 5288..5423, 5461..5546		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102203	Strand	+
Start	496	End	5546
Name	OJ000315_31.0410.C17.o2.np	Method	AAT/NAP
Start	2676	End	5351
GI	7489524	Score	1545
Exons	2676..3818, 4075..4349, 4461..4546, 4641..4798, 4889..4965, 5288..5351		
GI Descrip.	probable auxin transport protein - rice gi|3377509|gb|AAC39514.1| (AF056027) auxin transport protein REH1 [Oryza sativa]		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102204	Strand	+
Start	7876	End	12467
Name	OJ000315_31.0410.C17.o2.gs	Method	GENSCAN
Start	7876	End	12467
GI	none	Score	.88
Exons	7876..8010, 8512..9242, 9620..9672, 9797..9861, 9941..10019, 10437..10736, 11570..11736, 11783..11974, 12402..12467		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102204	Strand	+
Start	7876	End	12467
Name	OJ000315_31.0410.C17.o1.gp	Method	AAT/GAP
Start	8749	End	10029
GI	4714793	Score	1251
Exons	8749..9242, 9620..9672, 9797..9861, 9941..10029		
GI Descrip.	6005956/ref|NP_009171.1|pYVH1| 2.0e-15 S. cerevisiae YVH1 protein-tyrosine phosphatase ortholog >gi_5764099_gb_AAD51134.1_AF119226_1 (AF119226) dual-specificity tyrosine phosphatase YVH1 [Homo sapiens]		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102204	Strand	+
Start	7876	End	12467
Name	OJ000315_31.0410.C17.o3.gp	Method	AAT/GAP
Start	11672	End	11930
GI	2275895	Score	427
Exons	11672..11930		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102205	Strand	+
Start	18033	End	19057
Name	OJ000315_31.0410.C17.o4.gs	Method	GENSCAN
Start	18033	End	19057
GI	none	Score	.82
Exons	18033..18186, 18855..19057		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102206	Strand	-
Start	1976	End	3401

Name	OJ000315_31.0410.C17.o1.np	Method	AAT/NAP
Start	1976	End	3401
GI	5852084	Score	88
Exons	1976..2059, 3354..3401		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102207	Strand	-
Start	11141	End	11330
Name	OJ000315_31.0410.C17.o2.gp	Method	AAT/GAP
Start	11141	End	11330
GI	4714794	Score	278
Exons	11141..11330		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102208	Strand	-
Start	13234	End	17461
Name	OJ000315_31.0410.C17.o4.gp	Method	AAT/GAP
Start	13234	End	14245
GI	31161_1.R1084	Score	1362
Exons	13234..13579, 13688..13787, 13870..13997, 14091..14245		
GI Descrip.	'639722 8.0e-68 (L27484) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102208	Strand	-
Start	13234	End	17461
Name	OJ000315_31.0410.C17.o3.np	Method	AAT/NAP
Start	13478	End	15364
GI	7428008	Score	1983
Exons	13478..13579, 13688..13787, 13870..13997, 14091..14258, 14331..14446, 14581..15364		
GI Descrip.	calcium-dependent protein kinase (EC 2.7.1.-), calmodulin-independent - maize (fragment) gi|639722|gb|AAA61682.1| (L27484) calcium-dependent protein kinase [Zea mays]		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102208	Strand	-
Start	13234	End	17461
Name	OJ000315_31.0410.C17.o4.np	Method	AAT/NAP
Start	15184	End	17461
GI	7106836	Score	269
Exons	15184..15257, 16404..16597, 16704..16942, 17068..17203, 17313..17461		
GI Descrip.	(AF151057) HSPC223 [Homo sapiens]		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o2.tc	Method	TBLASTX:Cress
Start	2675	End	5384
GI	none	Score	344
Exons	2675..3049, 2676..2903, 2961..3050, 3080..3202, 3081..3245, 3126..3245, 3366..3512, 3389..3481, 3575..3637, 3579..3638, 4114..4179, 4219..4350, 4221..4352, 4221..4364, 4456..4563, 4458..4553, 4639..4791, 4640..4804, 4886..4966, 4887..4961,		

4888..4965, 5271..5384, 5288..5359

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o3.tm	Method	TBLASTX:Maize
Start	2675	End	3014
GI	none	Score	425
Exons	2675..3013, 2676..3014		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o3.ts	Method	TBLASTX:Soybean
Start	2679	End	3050
GI	none	Score	363
Exons	2679..3050, 2702..3049		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o8.tm	Method	TBLASTX:Maize
Start	3015	End	3248
GI	none	Score	55
Exons	3015..3050, 3016..3048, 3017..3049, 3080..3202, 3081..3245, 3126..3248		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o5.ts	Method	TBLASTX:Soybean
Start	3080	End	3245
GI	none	Score	245
Exons	3080..3205, 3081..3245, 3126..3239		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o2.ts	Method	TBLASTX:Soybean
Start	3594	End	5354
GI	none	Score	75
Exons	3594..3638, 4114..4137, 4189..4350, 4206..4343, 4212..4352, 4426..4563, 4455..4562, 4555..4797, 4640..4804, 4640..4798, 4801..4941, 4885..4962, 4886..4963, 5271..5354		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o5.tm	Method	TBLASTX:Maize
Start	4227	End	4717
GI	none	Score	206
Exons	4227..4349, 4228..4350, 4230..4352, 4426..4563, 4458..4553, 4639..4716, 4640..4717		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301

Name	OJ000315_31.0410.C17.o4.tw	Method	TBLASTX:Wheat
Start	4251	End	4942
GI	none	Score	87
Exons	4251..4337, 4261..4350, 4264..4341, 4637..4804, 4639..4794, 4886..4942		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o9.tm	Method	TBLASTX:Maize
Start	4718	End	5351
GI	none	Score	106
Exons	4718..4804, 4723..4794, 4886..4963, 4886..4960, 4888..4962, 5274..5351		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o2.tm	Method	TBLASTX:Maize
Start	8805	End	9692
GI	none	Score	81
Exons	8805..8858, 8806..8871, 8913..9242, 8920..9240, 9147..9242, 9158..9247, 9618..9692, 9621..9671		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o4.ts	Method	TBLASTX:Soybean
Start	8824	End	11087
GI	none	Score	46
Exons	8824..8871, 8916..8990, 8920..8991, 9043..9240, 9103..9237, 9108..9242, 9618..9692, 9789..9860, 9790..9870, 9934..10017, 9938..10012, 10547..10666, 10552..10704, 10679..10729, 10880..11035, 10920..11087, 10920..11075		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o6.tm	Method	TBLASTX:Maize
Start	10477	End	11009
GI	none	Score	37
Exons	10477..10500, 10478..10516, 10511..10735, 10554..10649, 10559..10651, 10561..10734, 10680..10736, 10918..11007, 10918..11007, 10919..11008, 10920..11009		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o1.tc	Method	TBLASTX:Cress
Start	13529	End	15386
GI	none	Score	75
Exons	13529..13579, 13691..13786, 13869..13997, 13875..13997, 14091..14243, 14206..14265, 14328..14447, 14334..14447, 14579..15385, 14583..15386		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-

Start	22132	End	22301
Name	OJ000315_31.0410.C17.o3.tw	Method	TBLASTX:Wheat
Start	13529	End	14180
GI	none	Score	56
Exons	13529..13579, 13535..13582, 13725..13787, 13844..13969, 13852..13983, 13859..14014, 13869..13997, 14067..14180		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o1.ts	Method	TBLASTX:Soybean
Start	13529	End	15388
GI	none	Score	56
Exons	13529..13579, 13748..13786, 13869..13997, 13882..14001, 13900..13959, 13976..13999, 14067..14243, 14092..14142, 14206..14265, 14328..14447, 14334..14447, 14579..15388, 14583..15386		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o4.tm	Method	TBLASTX:Maize
Start	13532	End	13997
GI	none	Score	53
Exons	13532..13582, 13532..13579, 13686..13787, 13688..13786, 13869..13997, 13872..13994		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o1.tm	Method	TBLASTX:Maize
Start	14086	End	15407
GI	none	Score	106
Exons	14086..14256, 14088..14252, 14328..14468, 14331..14447, 14573..15073, 14579..15385, 14610..15407		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o1.tw	Method	TBLASTX:Wheat
Start	14582	End	14932
GI	none	Score	225
Exons	14582..14932, 14595..14906		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o2.tw	Method	TBLASTX:Wheat
Start	14936	End	15214
GI	none	Score	265
Exons	14936..15214, 14937..15191		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o6.ts	Method	TBLASTX:Soybean
Start	16405	End	16723

GI	none	Score	118
Exons	16405..16605, 16424..16600, 16429..16605, 16700..16723		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o7.tm	Method	TBLASTX:Maize
Start	16731	End	16943
GI	none	Score	210
Exons	16731..16916, 16739..16921, 16740..16943, 16750..16941		

Seq. No.	48032	Seq. ID	OJ000315_31.0410.C17
Gene No.	102209	Strand	-
Start	22132	End	22301
Name	OJ000315_31.0410.C17.o5.gs	Method	GENSCAN
Start	22132	End	22301
GI	none	Score	.77
Exons	22132..22165, 22291..22301		

Seq. No.	48033	Seq. ID	OJ000315_31.0410.C18
Gene No.	102210	Strand	+
Start	439	End	519
Name	OJ000315_31.0410.C18.o1.gp	Method	AAT/GAP
Start	439	End	519
GI	5867_1.R1084	Score	107
Exons	439..519		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	48033	Seq. ID	OJ000315_31.0410.C18
Gene No.	102211	Strand	-
Start	1	End	1415
Name	OJ000315_31.0410.C18.o1.np	Method	AAT/NAP
Start	1	End	1415
GI	4493893	Score	56
Exons	1..64, 403..548, 1380..1415		
GI Descrip.	(AL034558) predicted using hexExon; MAL3P2.15 (PFC0230c), Hypothetical protein len: 3979 aa [Plasmodium falciparum]		

Seq. No.	48033	Seq. ID	OJ000315_31.0410.C18
Gene No.	102211	Strand	-
Start	1	End	1415
Name	OJ000315_31.0410.C18.o1.gs	Method	GENSCAN
Start	71	End	151
GI	none	Score	.75
Exons	71..151		

Seq. No.	48034	Seq. ID	OJ000315_31.0410.C19
Gene No.	102212	Strand	+
Start	347	End	971
Name	OJ000315_31.0410.C19.o1.gs	Method	GENSCAN
Start	347	End	971

GI	none	Score	.97
Exons	347..436, 744..823, 893..971		

Seq. No.	48034	Seq. ID	OJ000315_31.0410.C19
Gene No.	102213	Strand	+
Start	2845	End	4567
Name	OJ000315_31.0410.C19.o1.np	Method	AAT/NAP
Start	2845	End	4567
GI	6063554	Score	170
Exons	2845..3075, 3730..3761, 4398..4567		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48034	Seq. ID	OJ000315_31.0410.C19
Gene No.	102214	Strand	-
Start	2816	End	4384
Name	OJ000315_31.0410.C19.o2.gs	Method	GENSCAN
Start	2816	End	4384
GI	none	Score	.65
Exons	2816..2882, 2887..2982, 3002..3358, 4266..4384		

Seq. No.	48034	Seq. ID	OJ000315_31.0410.C19
Gene No.	102215	Strand	-
Start	4959	End	5231
Name	OJ000315_31.0410.C19.o1.gp	Method	AAT/GAP
Start	4959	End	5231
GI	61605_1.R1084	Score	442
Exons	4959..5231		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	48034	Seq. ID	OJ000315_31.0410.C19
Gene No.	102216	Strand	-
Start	5766	End	5973
Name	OJ000315_31.0410.C19.o3.gs	Method	GENSCAN
Start	5766	End	5973
GI	none	Score	.87
Exons	5766..5973		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102217	Strand	+
Start	1	End	2259
Name	OJ000315_31.0410.C20.o1.np	Method	AAT/NAP
Start	1	End	2020
GI	7362779	Score	273
Exons	1..48, 190..275, 415..522, 897..941, 1060..1148, 1511..1571, 1935..2020		
GI Descrip.	(AL162691) transporter-like protein [Arabidopsis thaliana]		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102217	Strand	+
Start	1	End	2259
Name	OJ000315_31.0410.C20.o1.gp	Method	AAT/GAP
Start	1056	End	2259
GI	2798274	Score	797
Exons	1056..1148, 1511..1554, 1935..2259		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102218	Strand	+
Start	3771	End	7550
Name	OJ000315_31.0410.C20.o3.np	Method	AAT/NAP
Start	3771	End	7550
GI	6069646	Score	1269
Exons	3771..3851, 6556..7550		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102219	Strand	+
Start	14047	End	15017
Name	OJ000315_31.0410.C20.o5.np	Method	AAT/NAP
Start	14047	End	15017
GI	7362779	Score	235
Exons	14047..14188, 14497..14584, 14717..14818, 14898..15017		
GI Descrip.	(AL162691) transporter-like protein [Arabidopsis thaliana]		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102220	Strand	-
Start	1763	End	5001
Name	OJ000315_31.0410.C20.o2.np	Method	AAT/NAP
Start	1763	End	5001
GI	5852093	Score	92
Exons	1763..1798, 3510..3636, 4928..5001		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o2.gs	Method	GENSCAN
Start	5754	End	14398
GI	none	Score	.69
Exons	5754..5780, 6594..6763, 6848..6983, 7035..7163, 7256..7415, 8254..8407, 8550..11700, 11734..12549, 12626..12873, 12994..13046, 13448..13534, 13871..13948, 14394..14398		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o3.tm	Method	TBLASTX:Maize
Start	6939	End	7517
GI	none	Score	90
Exons	6939..7064, 7044..7271, 7056..7292, 7097..7318, 7326..7517, 7334..7444		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o6.tw	Method	TBLASTX:Wheat
Start	7071	End	7424
GI	none	Score	199

Exons	7071..7268, 7389..7424		
Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o4.np	Method	AAT/NAP
Start	8542	End	12925
GI	7444451	Score	4313
Exons	8542..8945, 8973..12925		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		
Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o1.ts	Method	TBLASTX:Soybean
Start	8593	End	9216
GI	none	Score	146
Exons	8593..8964, 8603..8992, 8968..9216, 8972..9022, 9073..9198, 9089..9214		
Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o5.tm	Method	TBLASTX:Maize
Start	8599	End	8976
GI	none	Score	127
Exons	8599..8886, 8648..8887, 8893..8976		
Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o1.tw	Method	TBLASTX:Wheat
Start	8980	End	9417
GI	none	Score	51
Exons	8980..9417, 8981..9067, 9046..9360, 9095..9412		
Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o4.tm	Method	TBLASTX:Maize
Start	9008	End	9303
GI	none	Score	172
Exons	9008..9298, 9010..9303		
Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o3.tc	Method	TBLASTX:Cress
Start	9289	End	9531
GI	none	Score	182
Exons	9289..9531		
Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002

Name	OJ000315_31.0410.C20.o1.tm	Method	TBLASTX:Maize
Start	9352	End	9798
GI	none	Score	123
Exons	9352..9798, 9542..9778		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o3.tw	Method	TBLASTX:Wheat
Start	9418	End	9931
GI	none	Score	55
Exons	9418..9600, 9586..9930, 9622..9726, 9638..9778, 9833..9931		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o2.ts	Method	TBLASTX:Soybean
Start	9595	End	10098
GI	5509260	Score	122
Exons	9595..10098, 9608..9772, 9812..9961, 9862..10062		
GI Descrip.	-		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o2.tc	Method	TBLASTX:Cress
Start	9712	End	9994
GI	none	Score	130
Exons	9712..9981, 9713..9982, 9881..9994		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o8.tm	Method	TBLASTX:Maize
Start	9802	End	10059
GI	none	Score	109
Exons	9802..10059, 9842..10051		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o1.tc	Method	TBLASTX:Cress
Start	10717	End	11163
GI	none	Score	62
Exons	10717..10944, 10721..10861, 10951..11163, 10976..11152		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o5.ts	Method	TBLASTX:Soybean
Start	10735	End	11151
GI	none	Score	143
Exons	10735..10935, 10951..11151		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002

Name	OJ000315_31.0410.C20.o6.tm	Method	TBLASTX:Maize
Start	10738	End	11065
GI	none	Score	94
Exons	10738..10944, 10742..10930, 10945..11058, 10952..11065		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o5.tw	Method	TBLASTX:Wheat
Start	10753	End	11355
GI	none	Score	111
Exons	10753..10860, 10897..11160, 11182..11355, 11183..11335		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o3.ts	Method	TBLASTX:Soybean
Start	11154	End	11586
GI	none	Score	83
Exons	11154..11333, 11155..11343, 11197..11328, 11368..11475, 11376..11501, 11488..11586		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o2.tw	Method	TBLASTX:Wheat
Start	11674	End	12051
GI	none	Score	133
Exons	11674..11943, 11675..11746, 11724..11921, 11725..12051, 11726..12040		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o7.tm	Method	TBLASTX:Maize
Start	11878	End	12399
GI	none	Score	105
Exons	11878..12021, 11879..12022, 12007..12120, 12008..12118, 12283..12399		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o4.tw	Method	TBLASTX:Wheat
Start	12271	End	12588
GI	none	Score	91
Exons	12271..12588, 12359..12559		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o2.tm	Method	TBLASTX:Maize
Start	12403	End	12847
GI	none	Score	98
Exons	12403..12588, 12404..12544, 12443..12589, 12605..12715, 12660..12725, 12725..12847		

Seq. No.	48035	Seq. ID	OJ000315_31.0410.C20
Gene No.	102221	Strand	-
Start	5754	End	15002
Name	OJ000315_31.0410.C20.o4.ts	Method	TBLASTX:Soybean
Start	14068	End	15002
GI	none	Score	62
Exons	14068..14193, 14358..14402, 14524..14586, 14701..14745, 14748..14828, 14759..14791, 14898..14981, 14899..15000, 14899..14985, 14901..15002		

Seq. No.	48036	Seq. ID	OJ000315_31.0410.C21
Gene No.	102222	Strand	+
Start	101	End	2094
Name	OJ000315_31.0410.C21.o1.ts	Method	TBLASTX:Soybean
Start	100	End	2090
GI	none	Score	92
Exons	100..159, 101..163, 239..352, 239..286, 381..467, 382..459, 1010..1144, 1051..1134, 1247..1357, 1252..1347, 1980..2090		

Seq. No.	48036	Seq. ID	OJ000315_31.0410.C21
Gene No.	102222	Strand	+
Start	101	End	2094
Name	OJ000315_31.0410.C21.o1.gp	Method	AAT/GAP
Start	101	End	2094
GI	none	Score	1083
Exons	101..163, 251..300, 384..459, 959..1132, 1247..1334, 1802..1887, 1977..2094		

Seq. No.	48036	Seq. ID	OJ000315_31.0410.C21
Gene No.	102222	Strand	+
Start	101	End	2094
Name	OJ000315_31.0410.C21.o1.gs	Method	GENSCAN
Start	101	End	2084
GI	none	Score	.6
Exons	101..163, 959..1132, 1247..1334, 1802..1887, 1977..2084		

Seq. No.	48036	Seq. ID	OJ000315_31.0410.C21
Gene No.	102222	Strand	+
Start	101	End	2094
Name	OJ000315_31.0410.C21.o1.tm	Method	TBLASTX:Maize
Start	101	End	2090
GI	none	Score	79
Exons	101..163, 112..162, 230..301, 239..304, 261..317, 373..459, 381..464, 953..976, 1055..1144, 1060..1122, 1246..1299, 1246..1335, 1250..1381, 1944..2090		

Seq. No.	48036	Seq. ID	OJ000315_31.0410.C21
Gene No.	102222	Strand	+
Start	101	End	2094
Name	OJ000315_31.0410.C21.o1.np	Method	AAT/NAP
Start	101	End	2088
GI	6630695	Score	396
Exons	101..163, 251..300, 384..459, 959..1132, 1247..1334, 1802..1887, 1977..2088		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48037	Seq. ID	OJ000315_31.0410.C23
Gene No.	102223	Strand	-
Start	1	End	359
Name	OJ000315_31.0410.C23.o1.np	Method	AAT/NAP
Start	1	End	359
GI	6498423	Score	80
Exons	1..89, 152..359		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	48037	Seq. ID	OJ000315_31.0410.C23
Gene No.	102223	Strand	-
Start	1	End	359
Name	OJ000315_31.0410.C23.o1.gp	Method	AAT/GAP
Start	141	End	355
GI	426600	Score	358
Exons	141..355		

Seq. No.	48037	Seq. ID	OJ000315_31.0410.C23
Gene No.	102223	Strand	-
Start	1	End	359
Name	OJ000315_31.0410.C23.o1.tm	Method	TBLASTX:Maize
Start	153	End	353
GI	none	Score	180
Exons	153..353, 158..349		

Seq. No.	48038	Seq. ID	OJ000315_33.0410.C1
Gene No.	102224	Strand	-
Start	1	End	860
Name	OJ000315_33.0410.C1.o1.np	Method	AAT/NAP
Start	1	End	860
GI	6907089	Score	1354
Exons	1..860		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48038	Seq. ID	OJ000315_33.0410.C1
Gene No.	102224	Strand	-
Start	1	End	860
Name	OJ000315_33.0410.C1.o1.gs	Method	GENSCAN
Start	60	End	860
GI	none	Score	.94
Exons	60..860		

Seq. No.	48039	Seq. ID	OJ000315_33.0410.C2
Gene No.	102225	Strand	+
Start	1	End	839
Name	OJ000315_33.0410.C2.o1.np	Method	AAT/NAP
Start	1	End	839
GI	7228457	Score	1321
Exons	1..839		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48039	Seq. ID	OJ000315_33.0410.C2
Gene No.	102225	Strand	+
Start	1	End	839

Name	OJ000315_33.0410.C2.o1.tw	Method	TBLASTX:Wheat
Start	48	End	511
GI	none	Score	199
Exons	48..491, 49..504, 50..511, 50..505		

Seq. No.	48039	Seq. ID	OJ000315_33.0410.C2
Gene No.	102225	Strand	+
Start	1	End	839
Name	OJ000315_33.0410.C2.o1.ts	Method	TBLASTX:Soybean
Start	89	End	454
GI	none	Score	117
Exons	89..313, 320..454		

Seq. No.	48039	Seq. ID	OJ000315_33.0410.C2
Gene No.	102225	Strand	+
Start	1	End	839
Name	OJ000315_33.0410.C2.o1.gs	Method	GENSCAN
Start	104	End	768
GI	none	Score	.58
Exons	104..768		

Seq. No.	48039	Seq. ID	OJ000315_33.0410.C2
Gene No.	102225	Strand	+
Start	1	End	839
Name	OJ000315_33.0410.C2.o1.tm	Method	TBLASTX:Maize
Start	179	End	535
GI	none	Score	381
Exons	179..535, 214..525, 428..535		

Seq. No.	48039	Seq. ID	OJ000315_33.0410.C2
Gene No.	102225	Strand	+
Start	1	End	839
Name	OJ000315_33.0410.C2.o2.tw	Method	TBLASTX:Wheat
Start	512	End	823
GI	none	Score	332
Exons	512..823, 520..810		

Seq. No.	48039	Seq. ID	OJ000315_33.0410.C2
Gene No.	102225	Strand	+
Start	1	End	839
Name	OJ000315_33.0410.C2.o2.tm	Method	TBLASTX:Maize
Start	562	End	838
GI	none	Score	269
Exons	562..837, 563..838		

Seq. No.	48039	Seq. ID	OJ000315_33.0410.C2
Gene No.	102225	Strand	+
Start	1	End	839
Name	OJ000315_33.0410.C2.o2.ts	Method	TBLASTX:Soybean
Start	608	End	832
GI	none	Score	195
Exons	608..832, 616..831		

Seq. No.	48040	Seq. ID	OJ000315_33.0410.C3
Gene No.	102226	Strand	-
Start	121	End	778
Name	OJ000315_33.0410.C3.o1.tc	Method	TBLASTX:Cress

Start	103	End	378
GI	none	Score	123
Exons	103..294, 116..262, 331..378		

Seq. No.	48040	Seq. ID	OJ000315_33.0410.C3
Gene No.	102226	Strand	-
Start	121	End	778
Name	OJ000315_33.0410.C3.o1.ts	Method	TBLASTX:Soybean
Start	113	End	601
GI	none	Score	122
Exons	113..262, 121..267, 283..459, 448..600, 488..601		

Seq. No.	48040	Seq. ID	OJ000315_33.0410.C3
Gene No.	102226	Strand	-
Start	121	End	778
Name	OJ000315_33.0410.C3.o1.gs	Method	GENSCAN
Start	121	End	697
GI	none	Score	.94
Exons	121..697		

Seq. No.	48040	Seq. ID	OJ000315_33.0410.C3
Gene No.	102226	Strand	-
Start	121	End	778
Name	OJ000315_33.0410.C3.o1.gp	Method	AAT/GAP
Start	263	End	778
GI	23392_1.R1084	Score	972
Exons	263..778		
GI Descrip.	'3482979/emb|CAA20535.1| 6.0e-10 (AL031369) putative protein [Arabidopsis thaliana] >gi_4567258_gb_AAD23672.1_AC007070_21 (AC007070) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48040	Seq. ID	OJ000315_33.0410.C3
Gene No.	102226	Strand	-
Start	121	End	778
Name	OJ000315_33.0410.C3.o1.tm	Method	TBLASTX:Maize
Start	295	End	633
GI	none	Score	69
Exons	295..378, 296..379, 379..633, 473..616		

Seq. No.	48041	Seq. ID	OJ000315_33.0410.C6
Gene No.	102227	Strand	+
Start	1	End	365
Name	OJ000315_33.0410.C6.o1.np	Method	AAT/NAP
Start	1	End	362
GI	5669157	Score	146
Exons	1..111, 266..362		
GI Descrip.	(AF156683) plasma membrane proton ATPase [Nicotiana plumbaginifolia]		

Seq. No.	48041	Seq. ID	OJ000315_33.0410.C6
Gene No.	102227	Strand	+
Start	1	End	365
Name	OJ000315_33.0410.C6.o1.gs	Method	GENSCAN
Start	74	End	365
GI	none	Score	.99
Exons	74..111, 266..365		

Seq. No.	48042	Seq. ID	OJ000315_33.0410.C7
Gene No.	102228	Strand	+
Start	458	End	3128
Name	OJ000315_33.0410.C7.o1.gp	Method	AAT/GAP
Start	458	End	1817
GI	5004764	Score	649
Exons	458..749, 1741..1817		
GI Descrip.	3482979/emb|CAA20535.1| 6.0e-10 (AL031369) putative protein [Arabidopsis thaliana] >gi_4567258_gb_AAD23672.1_AC007070_21 (AC007070) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48042	Seq. ID	OJ000315_33.0410.C7
Gene No.	102228	Strand	+
Start	458	End	3128
Name	OJ000315_33.0410.C7.o1.gs	Method	GENSCAN
Start	518	End	2217
GI	none	Score	.83
Exons	518..749, 1276..1422, 1741..2028, 2105..2217		

Seq. No.	48042	Seq. ID	OJ000315_33.0410.C7
Gene No.	102228	Strand	+
Start	458	End	3128
Name	OJ000315_33.0410.C7.o1.np	Method	AAT/NAP
Start	614	End	3128
GI	7488100	Score	518
Exons	614..749, 1654..2028, 2105..2185, 2989..3128		
GI Descrip.	probable EREBP-4 - Arabidopsis thaliana gi|2245108|emb|CAB10530.1| (Z97343) EREBP-4 like protein [Arabidopsis thaliana] gi|7268501|emb|CAB78752.1| (AL161546) EREBP-4 like protein [Arabidopsis thaliana]		

Seq. No.	48042	Seq. ID	OJ000315_33.0410.C7
Gene No.	102229	Strand	-
Start	392	End	4955
Name	OJ000315_33.0410.C7.o2.np	Method	AAT/NAP
Start	392	End	2816
GI	140506	Score	112
Exons	392..416, 2627..2816		
GI Descrip.	PROBABLE INTRON MATURASE gi|82531|pir||JQ0201 hypothetical 65K protein (trnK intron) - rice chloroplast gi|11959|emb|CAA34008| (X15901) ORF542; ORF within trnK intron [Oryza sativa] gi|226626|prf||1603356B trnK intron ORF 542 [Oryza sativa]		

Seq. No.	48042	Seq. ID	OJ000315_33.0410.C7
Gene No.	102229	Strand	-
Start	392	End	4955
Name	OJ000315_33.0410.C7.o1.tm	Method	TBLASTX:Maize
Start	499	End	3159
GI	none	Score	151
Exons	499..543, 661..744, 665..748, 1739..2029, 1740..2045, 2091..2177, 2097..2177, 2098..2181, 2977..3132, 2988..3152, 2990..3130, 2992..3159		

Seq. No.	48042	Seq. ID	OJ000315_33.0410.C7
Gene No.	102229	Strand	-
Start	392	End	4955
Name	OJ000315_33.0410.C7.o1.ts	Method	TBLASTX:Soybean

Start	664	End	2169
GI	none	Score	121
Exons	664..747, 665..748, 1736..2038, 1738..1890, 1740..2030, 1740..2054, 2103..2156, 2104..2169		

Seq. No.	48042	Seq. ID	OJ000315_33.0410.C7
Gene No.	102229	Strand	-
Start	392	End	4955
Name	OJ000315_33.0410.C7.o1.tc	Method	TBLASTX:Cress
Start	665	End	2027
GI	none	Score	140
Exons	665..748, 670..747, 1743..1913, 1751..1882, 1917..2027, 1922..2020		

Seq. No.	48042	Seq. ID	OJ000315_33.0410.C7
Gene No.	102229	Strand	-
Start	392	End	4955
Name	OJ000315_33.0410.C7.o1.tw	Method	TBLASTX:Wheat
Start	670	End	2051
GI	none	Score	133
Exons	670..747, 671..748, 1736..2029, 1740..2051, 1740..2042		

Seq. No.	48042	Seq. ID	OJ000315_33.0410.C7
Gene No.	102229	Strand	-
Start	392	End	4955
Name	OJ000315_33.0410.C7.o3.np	Method	AAT/NAP
Start	875	End	4776
GI	6598797	Score	161
Exons	875..903, 4126..4229, 4438..4776		
GI Descrip.	(AF024504) putative acyl-CoA synthetase [Arabidopsis thaliana]		

Seq. No.	48042	Seq. ID	OJ000315_33.0410.C7
Gene No.	102229	Strand	-
Start	392	End	4955
Name	OJ000315_33.0410.C7.o2.gp	Method	AAT/GAP
Start	2979	End	3485
GI	uC-osrocyp003a11a1	Score	912
Exons	2979..3485		
GI Descrip.	'2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	48042	Seq. ID	OJ000315_33.0410.C7
Gene No.	102229	Strand	-
Start	392	End	4955
Name	OJ000315_33.0410.C7.o2.gs	Method	GENSCAN
Start	4059	End	4955
GI	none	Score	.78
Exons	4059..4211, 4438..4675, 4930..4955		

Seq. No.	48043	Seq. ID	OJ000315_33.0410.C8
Gene No.	102230	Strand	+
Start	1	End	741
Name	OJ000315_33.0410.C8.o1.gp	Method	AAT/GAP
Start	1	End	741
GI	uC-osflcyp023h04b1	Score	322
Exons	1..78, 204..255, 383..403, 491..544, 709..741		

GI Descrip. '3063637 2.0e-31 (AF056204) thioesterase homolog [Gossypium hirsutum]'

Seq. No.	48043	Seq. ID	OJ000315_33.0410.C8
Gene No.	102230	Strand	+
Start	1	End	741
Name	OJ000315_33.0410.C8.o1.np	Method	AAT/NAP
Start	20	End	741
GI	7484735	Score	132
Exons	20..78, 204..255, 491..544, 714..741		
GI Descrip.	thioesterase homolog - upland cotton (fragment) gi|3063637|gb|AAC14125.1| (AF056204) thioesterase homolog [Gossypium hirsutum]		

Seq. No.	48044	Seq. ID	OJ000315_33.0410.C9
Gene No.	102231	Strand	+
Start	1	End	2410
Name	OJ000315_33.0410.C9.o1.np	Method	AAT/NAP
Start	1	End	2410
GI	6498441	Score	3404
Exons	1..677, 849..2228, 2322..2410		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	48044	Seq. ID	OJ000315_33.0410.C9
Gene No.	102231	Strand	+
Start	1	End	2410
Name	OJ000315_33.0410.C9.o1.gs	Method	GENSCAN
Start	74	End	2272
GI	none	Score	.61
Exons	74..480, 603..2272		

Seq. No.	48044	Seq. ID	OJ000315_33.0410.C9
Gene No.	102231	Strand	+
Start	1	End	2410
Name	OJ000315_33.0410.C9.o2.tw	Method	TBLASTX:Wheat
Start	549	End	983
GI	none	Score	231
Exons	549..800, 549..773, 614..799, 834..983, 845..982		

Seq. No.	48044	Seq. ID	OJ000315_33.0410.C9
Gene No.	102231	Strand	+
Start	1	End	2410
Name	OJ000315_33.0410.C9.o1.ts	Method	TBLASTX:Soybean
Start	672	End	1238
GI	5666795	Score	64
Exons	672..770, 846..983, 1038..1238		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	48044	Seq. ID	OJ000315_33.0410.C9
Gene No.	102231	Strand	+
Start	1	End	2410
Name	OJ000315_33.0410.C9.o4.tw	Method	TBLASTX:Wheat
Start	986	End	1298
GI	none	Score	194
Exons	986..1162, 1038..1298		

Seq. No.	48044	Seq. ID	OJ000315_33.0410.C9
Gene No.	102231	Strand	+
Start	1	End	2410
Name	OJ000315_33.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	1491	End	1853
GI	none	Score	372
Exons	1491..1814, 1520..1801, 1718..1834, 1806..1853		

Seq. No.	48044	Seq. ID	OJ000315_33.0410.C9
Gene No.	102231	Strand	+
Start	1	End	2410
Name	OJ000315_33.0410.C9.o1.tw	Method	TBLASTX:Wheat
Start	1628	End	2029
GI	none	Score	380
Exons	1628..2029, 1629..2009		

Seq. No.	48044	Seq. ID	OJ000315_33.0410.C9
Gene No.	102231	Strand	+
Start	1	End	2410
Name	OJ000315_33.0410.C9.o3.tw	Method	TBLASTX:Wheat
Start	2034	End	2285
GI	none	Score	82
Exons	2034..2114, 2036..2113, 2120..2275, 2121..2276, 2133..2285		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102232	Strand	+
Start	1	End	7062
Name	OJ000315_33.0410.C10.o2.np	Method	AAT/NAP
Start	1	End	4687
GI	5042454	Score	290
Exons	1..83, 1397..1498, 2844..3035, 3252..3378, 4075..4240, 4627..4687		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102232	Strand	+
Start	1	End	7062
Name	OJ000315_33.0410.C10.o3.np	Method	AAT/NAP
Start	3896	End	7062
GI	6721516	Score	290
Exons	3896..3932, 5267..5755, 6950..7062		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102233	Strand	+
Start	7535	End	13939
Name	OJ000315_33.0410.C10.o2.gs	Method	GENSCAN
Start	7535	End	13939
GI	none	Score	.51
Exons	7535..8150, 8165..9573, 10463..10616, 11611..11844, 12642..13939		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102233	Strand	+
Start	7535	End	13939
Name	OJ000315_33.0410.C10.o4.np	Method	AAT/NAP
Start	7535	End	13936

GI	6907089	Score	4346
Exons	7535..8794, 8895..9505, 12690..13936		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102234	Strand	-
Start	1	End	7254
Name	OJ000315_33.0410.C10.o1.np	Method	AAT/NAP
Start	1	End	2995
GI	6907089	Score	3885
Exons	1..1635, 1736..2995		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102234	Strand	-
Start	1	End	7254
Name	OJ000315_33.0410.C10.o1.gs	Method	GENSCAN
Start	9	End	7254
GI	none	Score	.41
Exons	9..1073, 1089..1686, 1736..1879, 1894..2365, 2380..2799, 2866..3014, 3314..3472, 3492..3553, 3638..3760, 4124..4229, 5572..5637, 5730..5926, 6289..6386, 6959..7050, 7151..7254		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102235	Strand	-
Start	10215	End	10596
Name	OJ000315_33.0410.C10.o1.gp	Method	AAT/GAP
Start	10215	End	10596
GI	uC-osflcyp033a04b1	Score	663
Exons	10215..10596		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102236	Strand	-
Start	14565	End	20799
Name	OJ000315_33.0410.C10.o5.np	Method	AAT/NAP
Start	14565	End	20520
GI	7228457	Score	8687
Exons	14565..16115, 16182..17148, 17271..18106, 18170..20092, 20154..20520		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102236	Strand	-
Start	14565	End	20799
Name	OJ000315_33.0410.C10.o4.gs	Method	GENSCAN
Start	17294	End	20799
GI	none	Score	.42
Exons	17294..18106, 18170..19826, 19844..20591, 20628..20799		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o5.tm	Method	TBLASTX:Maize

Start	14562	End	14705
GI	none	Score	126
Exons	14562..14705, 14566..14700		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o8.tw	Method	TBLASTX:Wheat
Start	14574	End	15152
GI	none	Score	77
Exons	14574..14699, 14578..14700, 14760..15128, 14866..15123, 14886..15152, 14893..15150		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o3.tw	Method	TBLASTX:Wheat
Start	15157	End	15558
GI	none	Score	211
Exons	15157..15558, 15177..15557		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o2.tm	Method	TBLASTX:Maize
Start	15355	End	15686
GI	none	Score	208
Exons	15355..15678, 15363..15686		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o9.tw	Method	TBLASTX:Wheat
Start	15888	End	16200
GI	none	Score	65
Exons	15888..16148, 16024..16200		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o2.ts	Method	TBLASTX:Soybean
Start	15948	End	16514
GI	5666795	Score	68
Exons	15948..16148, 16203..16340, 16416..16514		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o4.tw	Method	TBLASTX:Wheat
Start	16203	End	16664
GI	none	Score	78
Exons	16203..16352, 16204..16341, 16376..16408, 16386..16637, 16387..16572, 16413..16664		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-

Start	20746	End	20810
Name	OJ000315_33.0410.C10.o7.tw	Method	TBLASTX:Wheat
Start	17026	End	17313
GI	none	Score	60
Exons	17026..17313, 17219..17308		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o1.ts	Method	TBLASTX:Soybean
Start	17077	End	17449
GI	none	Score	83
Exons	17077..17307, 17303..17449, 17307..17432		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o3.tm	Method	TBLASTX:Maize
Start	17200	End	17585
GI	none	Score	200
Exons	17200..17394, 17306..17584, 17307..17585		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o5.tw	Method	TBLASTX:Wheat
Start	17324	End	17635
GI	none	Score	186
Exons	17324..17635, 17337..17627		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o1.tm	Method	TBLASTX:Maize
Start	17612	End	17968
GI	none	Score	73
Exons	17612..17728, 17612..17968, 17622..17933		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o1.tw	Method	TBLASTX:Wheat
Start	17636	End	18098
GI	none	Score	207
Exons	17636..18097, 17642..18097, 17643..18098		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o3.ts	Method	TBLASTX:Soybean
Start	17693	End	18058
GI	none	Score	107
Exons	17693..17827, 17834..18058		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810

Name	OJ000315_33.0410.C10.o2.tw	Method	TBLASTX:Wheat
Start	18263	End	18749
GI	none	Score	83
Exons	18263..18748, 18290..18529, 18294..18554, 18576..18749		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o6.tw	Method	TBLASTX:Wheat
Start	19487	End	19825
GI	none	Score	94
Exons	19487..19744, 19521..19760, 19727..19825, 19728..19808		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o4.tm	Method	TBLASTX:Maize
Start	19589	End	19837
GI	none	Score	93
Exons	19589..19837, 19590..19739		

Seq. No.	48045	Seq. ID	OJ000315_33.0410.C10
Gene No.	102237	Strand	-
Start	20746	End	20810
Name	OJ000315_33.0410.C10.o6.np	Method	AAT/NAP
Start	20746	End	20810
GI	5042454	Score	72
Exons	20746..20810		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48046	Seq. ID	OJ000315_33.0410.C11
Gene No.	102238	Strand	-
Start	1	End	1657
Name	OJ000315_33.0410.C11.o1.np	Method	AAT/NAP
Start	1	End	1378
GI	7228457	Score	1909
Exons	1..950, 1012..1378		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48046	Seq. ID	OJ000315_33.0410.C11
Gene No.	102238	Strand	-
Start	1	End	1657
Name	OJ000315_33.0410.C11.o1.gs	Method	GENSCAN
Start	126	End	1657
GI	none	Score	.67
Exons	126..1449, 1486..1657		

Seq. No.	48046	Seq. ID	OJ000315_33.0410.C11
Gene No.	102239	Strand	-
Start	1604	End	1855
Name	OJ000315_33.0410.C11.o1.tw	Method	TBLASTX:Wheat
Start	332	End	670
GI	none	Score	102
Exons	332..589, 366..605, 572..670, 573..653		

Seq. No.	48046	Seq. ID	OJ000315_33.0410.C11
Gene No.	102239	Strand	-
Start	1604	End	1855
Name	OJ000315_33.0410.C11.o1.tm	Method	TBLASTX:Maize
Start	434	End	697
GI	none	Score	106
Exons	434..697, 435..680		

Seq. No.	48046	Seq. ID	OJ000315_33.0410.C11
Gene No.	102239	Strand	-
Start	1604	End	1855
Name	OJ000315_33.0410.C11.o2.np	Method	AAT/NAP
Start	1604	End	1855
GI	5042454	Score	77
Exons	1604..1670, 1830..1855		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48047	Seq. ID	OJ000315_33.0410.C12
Gene No.	102240	Strand	+
Start	135	End	1090
Name	OJ000315_33.0410.C12.o1.gs	Method	GENSCAN
Start	135	End	1090
GI	none	Score	.47
Exons	135..278, 764..1090		

Seq. No.	48047	Seq. ID	OJ000315_33.0410.C12
Gene No.	102241	Strand	+
Start	2436	End	6703
Name	OJ000315_33.0410.C12.o2.gs	Method	GENSCAN
Start	2436	End	6697
GI	none	Score	.74
Exons	2436..2810, 2983..3081, 4210..4347, 4457..4762, 5384..5584, 5629..6293, 6430..6697		

Seq. No.	48047	Seq. ID	OJ000315_33.0410.C12
Gene No.	102241	Strand	+
Start	2436	End	6703
Name	OJ000315_33.0410.C12.o3.tm	Method	TBLASTX:Maize
Start	2447	End	2809
GI	none	Score	79
Exons	2447..2575, 2606..2677, 2625..2735, 2660..2734, 2706..2807, 2735..2809, 2764..2808		

Seq. No.	48047	Seq. ID	OJ000315_33.0410.C12
Gene No.	102241	Strand	+
Start	2436	End	6703
Name	OJ000315_33.0410.C12.o1.np	Method	AAT/NAP
Start	2588	End	4807
GI	7485058	Score	590
Exons	2588..2810, 2983..3081, 4457..4807		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245064|emb|CAB10487.1| (Z97342) hypothetical protein [Arabidopsis thaliana] gi|7268458|emb|CAB80978.1| (AL161545) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48047	Seq. ID	OJ000315_33.0410.C12
Gene No.	102241	Strand	+

Start	2436	End	6703
Name	OJ000315_33.0410.C12.o1.ts	Method	TBLASTX:Soybean
Start	2616	End	3086
GI	none	Score	172
Exons	2616..2756, 2663..2755, 2736..2810, 2747..2809, 2980..3018, 2982..3017, 3033..3086, 3034..3081		

Seq. No.	48047	Seq. ID	OJ000315_33.0410.C12
Gene No.	102241	Strand	+
Start	2436	End	6703
Name	OJ000315_33.0410.C12.o2.ts	Method	TBLASTX:Soybean
Start	4198	End	4510
GI	none	Score	187
Exons	4198..4347, 4209..4346, 4216..4371, 4221..4349, 4456..4509, 4457..4510		

Seq. No.	48047	Seq. ID	OJ000315_33.0410.C12
Gene No.	102241	Strand	+
Start	2436	End	6703
Name	OJ000315_33.0410.C12.o1.tw	Method	TBLASTX:Wheat
Start	4491	End	4783
GI	none	Score	203
Exons	4491..4769, 4496..4783, 4501..4779		

Seq. No.	48047	Seq. ID	OJ000315_33.0410.C12
Gene No.	102241	Strand	+
Start	2436	End	6703
Name	OJ000315_33.0410.C12.o1.tc	Method	TBLASTX:Cress
Start	4507	End	4773
GI	none	Score	190
Exons	4507..4773, 4586..4771		

Seq. No.	48047	Seq. ID	OJ000315_33.0410.C12
Gene No.	102241	Strand	+
Start	2436	End	6703
Name	OJ000315_33.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	4541	End	4806
GI	none	Score	353
Exons	4541..4798, 4543..4806, 4552..4806		

Seq. No.	48047	Seq. ID	OJ000315_33.0410.C12
Gene No.	102241	Strand	+
Start	2436	End	6703
Name	OJ000315_33.0410.C12.o2.np	Method	AAT/NAP
Start	5408	End	6622
GI	6503090	Score	869
Exons	5408..6293, 6430..6622		
GI Descrip.	(AF191494) nucleotide excision repair protein XP-F homolog [Arabidopsis thaliana]		

Seq. No.	48047	Seq. ID	OJ000315_33.0410.C12
Gene No.	102241	Strand	+
Start	2436	End	6703
Name	OJ000315_33.0410.C12.o3.ts	Method	TBLASTX:Soybean
Start	5411	End	5982
GI	none	Score	85
Exons	5411..5491, 5425..5490, 5695..5859, 5878..5982, 5887..5976		

Seq. No.	48047	Seq. ID	OJ000315_33.0410.C12
Gene No.	102241	Strand	+
Start	2436	End	6703
Name	OJ000315_33.0410.C12.o2.tm	Method	TBLASTX:Maize
Start	6411	End	6703
GI	none	Score	96
Exons	6411..6518, 6424..6522, 6426..6518, 6428..6541, 6511..6609, 6521..6703, 6522..6683, 6524..6700		

Seq. No.	48048	Seq. ID	OJ000315_33.0410.C13
Gene No.	102242	Strand	+
Start	1	End	5425
Name	OJ000315_33.0410.C13.o1.np	Method	AAT/NAP
Start	1	End	1658
GI	6013183	Score	1186
Exons	1..179, 446..556, 651..911, 1131..1354, 1451..1658		
GI Descrip.	(AF160500) repair endonuclease [Arabidopsis thaliana]		

Seq. No.	48048	Seq. ID	OJ000315_33.0410.C13
Gene No.	102242	Strand	+
Start	1	End	5425
Name	OJ000315_33.0410.C13.o2.tm	Method	TBLASTX:Maize
Start	2	End	911
GI	none	Score	270
Exons	2..181, 3..179, 6..203, 8..181, 434..508, 435..533, 435..557, 442..558, 448..585, 650..898, 651..911		

Seq. No.	48048	Seq. ID	OJ000315_33.0410.C13
Gene No.	102242	Strand	+
Start	1	End	5425
Name	OJ000315_33.0410.C13.o3.ts	Method	TBLASTX:Soybean
Start	2	End	122
GI	none	Score	183
Exons	2..121, 3..122		

Seq. No.	48048	Seq. ID	OJ000315_33.0410.C13
Gene No.	102242	Strand	+
Start	1	End	5425
Name	OJ000315_33.0410.C13.o1.gs	Method	GENSCAN
Start	42	End	4734
GI	none	Score	.73
Exons	42..179, 446..556, 651..911, 1131..1354, 1451..1642, 2054..2286, 2531..2930, 3018..3204, 3285..3611, 3763..3913, 4003..4140, 4639..4734		

Seq. No.	48048	Seq. ID	OJ000315_33.0410.C13
Gene No.	102242	Strand	+
Start	1	End	5425
Name	OJ000315_33.0410.C13.o1.ts	Method	TBLASTX:Soybean
Start	502	End	848
GI	none	Score	61
Exons	502..564, 515..565, 648..845, 650..847, 651..848		

Seq. No.	48048	Seq. ID	OJ000315_33.0410.C13
Gene No.	102242	Strand	+
Start	1	End	5425

Name	OJ000315_33.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	1181	End	1681
GI	none	Score	270
Exons	1181..1354, 1182..1355, 1183..1356, 1184..1357, 1197..1355, 1439..1657, 1446..1661, 1449..1661, 1454..1681		

Seq. No.	48048	Seq. ID	OJ000315_33.0410.C13
Gene No.	102242	Strand	+
Start	1	End	5425
Name	OJ000315_33.0410.C13.o2.ts	Method	TBLASTX:Soybean
Start	1478	End	1661
GI	none	Score	84
Exons	1478..1534, 1479..1535, 1500..1535, 1538..1651, 1539..1661, 1542..1658		

Seq. No.	48048	Seq. ID	OJ000315_33.0410.C13
Gene No.	102242	Strand	+
Start	1	End	5425
Name	OJ000315_33.0410.C13.o2.np	Method	AAT/NAP
Start	3745	End	5425
GI	7485216	Score	181
Exons	3745..3913, 4003..4140, 4995..5056, 5336..5425		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245119|emb|CAB10541.1| (Z97343) TRP-185 like protein [Arabidopsis thaliana] gi|7268513|emb|CAB78764.1| (AL161546) TRP-185 like protein [Arabidopsis thaliana]		

Seq. No.	48049	Seq. ID	OJ000315_33.0410.C15
Gene No.	102243	Strand	+
Start	1	End	5953
Name	OJ000315_33.0410.C15.o1.np	Method	AAT/NAP
Start	1	End	3342
GI	7485216	Score	445
Exons	1..48, 114..203, 379..438, 508..702, 956..1153, 1228..1298, 1386..1542, 1872..1981, 3211..3342		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245119|emb|CAB10541.1| (Z97343) TRP-185 like protein [Arabidopsis thaliana] gi|7268513|emb|CAB78764.1| (AL161546) TRP-185 like protein [Arabidopsis thaliana]		

Seq. No.	48049	Seq. ID	OJ000315_33.0410.C15
Gene No.	102243	Strand	+
Start	1	End	5953
Name	OJ000315_33.0410.C15.o3.np	Method	AAT/NAP
Start	1	End	5953
GI	5917664	Score	102
Exons	1..64, 4798..5072, 5748..5953		
GI Descrip.	(AF159296) extensin-like protein [Lycopersicon esculentum]		

Seq. No.	48049	Seq. ID	OJ000315_33.0410.C15
Gene No.	102243	Strand	+
Start	1	End	5953
Name	OJ000315_33.0410.C15.o2.np	Method	AAT/NAP
Start	1	End	1859
GI	7507813	Score	189
Exons	1..31, 1078..1153, 1228..1298, 1386..1542, 1692..1859		
GI Descrip.	hypothetical protein T14B4.1 - Caenorhabditis elegans		

gi|1213530|gb|AAA91244.1| (U50191) coded for by C. elegans cDNA yk2f10.5; coded for by C. elegans cDNA yk2f10.3; coded for by C. elegans cDNA yk18g6.5; coded for by C. elegans cDNA yk19e8.5; coded for by C. elegans cDNA yk19e8.3; coded for by C. elegans cDNA yk2f10.3; coded for>

Seq. No.	48049	Seq. ID	OJ000315_33.0410.C15
Gene No.	102243	Strand	+
Start	1	End	5953
Name	OJ000315_33.0410.C15.o1.gs	Method	GENSCAN
Start	1002	End	1859
GI	none	Score	.98
Exons	1002..1153, 1228..1298, 1386..1542, 1692..1859		

Seq. No.	48049	Seq. ID	OJ000315_33.0410.C15
Gene No.	102244	Strand	-
Start	3700	End	5318
Name	OJ000315_33.0410.C15.o1.tm	Method	TBLASTX:Maize
Start	976	End	1437
GI	none	Score	210
Exons	976..1155, 998..1159, 1221..1298, 1225..1296, 1383..1436, 1384..1437		

Seq. No.	48049	Seq. ID	OJ000315_33.0410.C15
Gene No.	102244	Strand	-
Start	3700	End	5318
Name	OJ000315_33.0410.C15.o2.gs	Method	GENSCAN
Start	3700	End	5318
GI	none	Score	.49
Exons	3700..4280, 4578..4621, 4710..4746, 4772..5318		

Seq. No.	48050	Seq. ID	OJ000315_33.0410.C16
Gene No.	102245	Strand	+
Start	5	End	3280
Name	OJ000315_33.0410.C16.o1.np	Method	AAT/NAP
Start	5	End	3280
GI	7378769	Score	1594
Exons	5..297, 419..556, 642..776, 902..1081, 1266..1472, 1592..1711, 2011..2130, 2528..2650, 3232..3280		
GI Descrip.	(AJ132891) H+-ATPase [Medicago truncatula]		

Seq. No.	48050	Seq. ID	OJ000315_33.0410.C16
Gene No.	102245	Strand	+
Start	5	End	3280
Name	OJ000315_33.0410.C16.o1.tc	Method	TBLASTX:Cress
Start	42	End	2653
GI	none	Score	166
Exons	42..281, 61..276, 431..499, 431..559, 469..534, 639..803, 642..806, 898..1029, 899..1084, 901..1083, 1262..1471, 1263..1472, 1266..1472, 1589..1714, 1589..1714, 1593..1715, 2010..2129, 2011..2136, 2527..2643, 2527..2649, 2528..2653		

Seq. No.	48050	Seq. ID	OJ000315_33.0410.C16
Gene No.	102245	Strand	+
Start	5	End	3280
Name	OJ000315_33.0410.C16.o1.gs	Method	GENSCAN
Start	61	End	2650

GI	none	Score	.91
Exons	61..297, 419..556, 642..776, 902..1081, 1266..1472, 1592..1714, 2528..2650		

Seq. No.	48050	Seq. ID	OJ000315_33.0410.C16
Gene No.	102245	Strand	+
Start	5	End	3280
Name	OJ000315_33.0410.C16.o1.tm	Method	TBLASTX:Maize
Start	96	End	2653
GI	none	Score	149
Exons	96..275, 96..278, 97..279, 182..289, 208..288, 431..499, 469..561, 639..803, 642..815, 899..1084, 901..1074, 1227..1262, 1263..1472, 1265..1471, 1588..1713, 1589..1714, 2008..2112, 2010..2159, 2011..2160, 2527..2649, 2528..2653		

Seq. No.	48050	Seq. ID	OJ000315_33.0410.C16
Gene No.	102245	Strand	+
Start	5	End	3280
Name	OJ000315_33.0410.C16.o2.tw	Method	TBLASTX:Wheat
Start	150	End	1033
GI	none	Score	72
Exons	150..260, 443..493, 448..561, 642..806, 651..803, 898..1032, 899..1033, 901..1029		

Seq. No.	48050	Seq. ID	OJ000315_33.0410.C16
Gene No.	102245	Strand	+
Start	5	End	3280
Name	OJ000315_33.0410.C16.o1.ts	Method	TBLASTX:Soybean
Start	699	End	2653
GI	none	Score	126
Exons	699..806, 699..797, 899..1084, 901..1083, 967..1092, 1262..1471, 1263..1472, 1278..1472, 1397..1474, 1588..1713, 1589..1714, 2008..2124, 2010..2129, 2011..2160, 2527..2649, 2528..2653		

Seq. No.	48050	Seq. ID	OJ000315_33.0410.C16
Gene No.	102245	Strand	+
Start	5	End	3280
Name	OJ000315_33.0410.C16.o1.tw	Method	TBLASTX:Wheat
Start	1034	End	1714
GI	none	Score	69
Exons	1034..1084, 1263..1472, 1265..1471, 1400..1474, 1588..1650, 1589..1714, 1589..1714		

Seq. No.	48051	Seq. ID	OJ000315_33.0410.C17
Gene No.	102246	Strand	+
Start	1	End	1177
Name	OJ000315_33.0410.C17.o1.np	Method	AAT/NAP
Start	1	End	1177
GI	7436370	Score	236
Exons	1..75, 906..1084, 1146..1177		
GI Descrip.	H+-transporting ATPase (EC 3.6.1.35) - common ice plant gi|1814407|gb|AAB41898.1| (U84891) H+-transporting ATPase [Mesembryanthemum crystallinum]		

Seq. No.	48051	Seq. ID	OJ000315_33.0410.C17
Gene No.	102246	Strand	+
Start	1	End	1177

Name	OJ000315_33.0410.C17.o1.gs	Method	GENSCAN
Start	244	End	1084
GI	none	Score	.49
Exons	244..257, 1008..1084		

Seq. No.	48051	Seq. ID	OJ000315_33.0410.C17
Gene No.	102246	Strand	+
Start	1	End	1177
Name	OJ000315_33.0410.C17.o1.tm	Method	TBLASTX:Maize
Start	868	End	1177
GI	none	Score	247
Exons	868..1080, 904..1083, 918..1082, 1141..1176, 1142..1177		

Seq. No.	48051	Seq. ID	OJ000315_33.0410.C17
Gene No.	102246	Strand	+
Start	1	End	1177
Name	OJ000315_33.0410.C17.o1.ts	Method	TBLASTX:Soybean
Start	877	End	1177
GI	none	Score	247
Exons	877..1080, 904..1083, 918..1082, 1140..1175, 1141..1176, 1142..1177		

Seq. No.	48051	Seq. ID	OJ000315_33.0410.C17
Gene No.	102246	Strand	+
Start	1	End	1177
Name	OJ000315_33.0410.C17.o1.tc	Method	TBLASTX:Cress
Start	904	End	1177
GI	none	Score	242
Exons	904..1083, 918..1082, 1133..1177, 1142..1177		

Seq. No.	48051	Seq. ID	OJ000315_33.0410.C17
Gene No.	102246	Strand	+
Start	1	End	1177
Name	OJ000315_33.0410.C17.o1.tw	Method	TBLASTX:Wheat
Start	904	End	1177
GI	none	Score	248
Exons	904..1083, 917..1081, 918..1082, 1138..1176, 1142..1177		

Seq. No.	48052	Seq. ID	OJ000315_33.0410.C19
Gene No.	102247	Strand	+
Start	298	End	2575
Name	OJ000315_33.0410.C19.o1.gp	Method	AAT/GAP
Start	298	End	2382
GI	4478_1.R1084	Score	1875
Exons	298..375, 452..490, 755..877, 1513..1605, 1699..2382		
GI Descrip.	'2245107/emb|CAB10529.1| 2.0e-53 (Z97343) thioesterase like protein [Arabidopsis thaliana]'		

Seq. No.	48052	Seq. ID	OJ000315_33.0410.C19
Gene No.	102247	Strand	+
Start	298	End	2575
Name	OJ000315_33.0410.C19.o1.gs	Method	GENSCAN
Start	310	End	1923
GI	none	Score	.84
Exons	310..375, 755..877, 1513..1605, 1699..1923		

Seq. No.	48052	Seq. ID	OJ000315_33.0410.C19

Gene No.	102247	Strand	+
Start	298	End	2575
Name	OJ000315_33.0410.C19.o1.np	Method	AAT/NAP
Start	310	End	2575
GI	7488215	Score	334
Exons	310..375, 452..490, 755..877, 1513..1605, 1699..1841, 2389..2575		
GI Descrip.	probable thioesterase - Arabidopsis thaliana gi|2245107|emb|CAB10529.1| (Z97343) thioesterase like protein [Arabidopsis thaliana] gi|7268500|emb|CAB78751.1| (AL161546) thioesterase like protein [Arabidopsis thaliana]		

Seq. No.	48052	Seq. ID	OJ000315_33.0410.C19
Gene No.	102248	Strand	-
Start	2131	End	2364
Name	OJ000315_33.0410.C19.o1.tm	Method	TBLASTX:Maize
Start	310	End	1843
GI	none	Score	95
Exons	310..375, 311..376, 312..380, 446..490, 449..490, 754..876, 755..877, 1511..1603, 1512..1604, 1513..1611, 1696..1842, 1697..1843, 1698..1832		

Seq. No.	48052	Seq. ID	OJ000315_33.0410.C19
Gene No.	102248	Strand	-
Start	2131	End	2364
Name	OJ000315_33.0410.C19.o1.tc	Method	TBLASTX:Cress
Start	754	End	1842
GI	none	Score	94
Exons	754..813, 755..814, 817..876, 821..877, 1512..1598, 1513..1611, 1696..1842, 1698..1826		

Seq. No.	48052	Seq. ID	OJ000315_33.0410.C19
Gene No.	102248	Strand	-
Start	2131	End	2364
Name	OJ000315_33.0410.C19.o2.gs	Method	GENSCAN
Start	2131	End	2364
GI	none	Score	.87
Exons	2131..2364		

Seq. No.	48053	Seq. ID	OJ000315_33.0410.C20
Gene No.	102249	Strand	+
Start	1	End	779
Name	OJ000315_33.0410.C20.o1.np	Method	AAT/NAP
Start	1	End	779
GI	6013183	Score	235
Exons	1..112, 239..607, 662..779		
GI Descrip.	(AF160500) repair endonuclease [Arabidopsis thaliana]		

Seq. No.	48053	Seq. ID	OJ000315_33.0410.C20
Gene No.	102249	Strand	+
Start	1	End	779
Name	OJ000315_33.0410.C20.o1.tm	Method	TBLASTX:Maize
Start	21	End	436
GI	none	Score	112
Exons	21..113, 22..129, 23..124, 236..262, 257..322, 259..312, 302..436, 302..436		

Seq. No.	48053	Seq. ID	OJ000315_33.0410.C20

Gene No.	102249	Strand	+
Start	1	End	779
Name	OJ000315_33.0410.C20.o1.gs	Method	GENSCAN
Start	242	End	656
GI	none	Score	.42
Exons	242..656		

Seq. No.	48054	Seq. ID	OJ000315_33.0410.C21
Gene No.	102250	Strand	+
Start	603	End	1221
Name	OJ000315_33.0410.C21.o1.np	Method	AAT/NAP
Start	603	End	1221
GI	6815053	Score	547
Exons	603..935, 985..1221		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	48054	Seq. ID	OJ000315_33.0410.C21
Gene No.	102250	Strand	+
Start	603	End	1221
Name	OJ000315_33.0410.C21.o1.gs	Method	GENSCAN
Start	819	End	1180
GI	none	Score	.49
Exons	819..944, 985..1180		

Seq. No.	48054	Seq. ID	OJ000315_33.0410.C21
Gene No.	102251	Strand	-
Start	2991	End	3288
Name	OJ000315_33.0410.C21.o2.gs	Method	GENSCAN
Start	2991	End	3288
GI	none	Score	.83
Exons	2991..3200, 3229..3288		

Seq. No.	48055	Seq. ID	OJ000315_33.0410.C22
Gene No.	102252	Strand	+
Start	2306	End	6807
Name	OJ000315_33.0410.C22.o2.gs	Method	GENSCAN
Start	2306	End	6687
GI	none	Score	.77
Exons	2306..2377, 2811..3017, 3156..3226, 3685..3809, 3904..4007, 4124..4195, 4307..4452, 4538..4652, 4665..4805, 5235..5372, 6312..6399, 6563..6687		

Seq. No.	48055	Seq. ID	OJ000315_33.0410.C22
Gene No.	102252	Strand	+
Start	2306	End	6807
Name	OJ000315_33.0410.C22.o1.gp	Method	AAT/GAP
Start	3564	End	6807
GI	none	Score	2251
Exons	3564..3809, 3904..4031, 4124..4195, 4307..4452, 4538..4652, 4726..4805, 5235..5372, 6312..6399, 6563..6807		

Seq. No.	48055	Seq. ID	OJ000315_33.0410.C22
Gene No.	102253	Strand	+
Start	10572	End	10887
Name	OJ000315_33.0410.C22.o3.gp	Method	AAT/GAP
Start	10572	End	10887
GI	5161_1.R1084	Score	608

Exons	10572..10887		
GI Descrip.	'3668080 1.0e-101 (AC004667) unknown protein [Arabidopsis thaliana]'		

Seq. No.	48055	Seq. ID	OJ000315_33.0410.C22
Gene No.	102254	Strand	-
Start	12	End	542
Name	OJ000315_33.0410.C22.o1.gs	Method	GENSCAN
Start	12	End	542
GI	none	Score	.71
Exons	12..542		

Seq. No.	48055	Seq. ID	OJ000315_33.0410.C22
Gene No.	102255	Strand	-
Start	6820	End	7968
Name	OJ000315_33.0410.C22.o3.gs	Method	GENSCAN
Start	6820	End	7968
GI	none	Score	.98
Exons	6820..7968		

Seq. No.	48055	Seq. ID	OJ000315_33.0410.C22
Gene No.	102255	Strand	-
Start	6820	End	7968
Name	OJ000315_33.0410.C22.o1.np	Method	AAT/NAP
Start	6823	End	7833
GI	4902849	Score	1405
Exons	6823..7833		
GI Descrip.	(AJ006940) phosphoribosyl pyrophosphate synthase [Spinacia oleracea]		

Seq. No.	48055	Seq. ID	OJ000315_33.0410.C22
Gene No.	102256	Strand	-
Start	9125	End	9226
Name	OJ000315_33.0410.C22.o3.tm	Method	TBLASTX:Maize
Start	105	End	479
GI	none	Score	99
Exons	105..272, 270..377, 372..479		

Seq. No.	48055	Seq. ID	OJ000315_33.0410.C22
Gene No.	102256	Strand	-
Start	9125	End	9226
Name	OJ000315_33.0410.C22.o2.ts	Method	TBLASTX:Soybean
Start	5234	End	6374
GI	4397117	Score	186
Exons	5234..5371, 5235..5375, 6312..6374		
GI Descrip.	-		

Seq. No.	48055	Seq. ID	OJ000315_33.0410.C22
Gene No.	102256	Strand	-
Start	9125	End	9226
Name	OJ000315_33.0410.C22.o2.tm	Method	TBLASTX:Maize
Start	6820	End	7059
GI	none	Score	98
Exons	6820..7059, 6821..6916, 6947..7024		

Seq. No.	48055	Seq. ID	OJ000315_33.0410.C22
Gene No.	102256	Strand	-

Start	9125	End	9226
Name	OJ000315_33.0410.C22.o1.tc	Method	TBLASTX:Cress
Start	6826	End	7761
GI	none	Score	522
Exons	6826..7458, 6827..7459, 7459..7761, 7460..7747		

Seq. No.	48055	Seq. ID	OJ000315_33.0410.C22
Gene No.	102256	Strand	-
Start	9125	End	9226
Name	OJ000315_33.0410.C22.o1.ts	Method	TBLASTX:Soybean
Start	6841	End	7813
GI	none	Score	176
Exons	6841..7458, 6842..7021, 7079..7459, 7459..7761, 7460..7813		

Seq. No.	48055	Seq. ID	OJ000315_33.0410.C22
Gene No.	102256	Strand	-
Start	9125	End	9226
Name	OJ000315_33.0410.C22.o1.tm	Method	TBLASTX:Maize
Start	7222	End	7621
GI	none	Score	168
Exons	7222..7458, 7223..7459, 7459..7620, 7475..7621		

Seq. No.	48055	Seq. ID	OJ000315_33.0410.C22
Gene No.	102256	Strand	-
Start	9125	End	9226
Name	OJ000315_33.0410.C22.o2.gp	Method	AAT/GAP
Start	9125	End	9226
GI	90742_1.R1084	Score	103
Exons	9125..9226		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	48056	Seq. ID	OJ000315_33.0410.C23
Gene No.	102257	Strand	-
Start	1	End	817
Name	OJ000315_33.0410.C23.o1.gp	Method	AAT/GAP
Start	1	End	755
GI	5161_1.R1084	Score	926
Exons	1..129, 203..354, 475..755		
GI Descrip.	'3668080 1.0e-101 (AC004667) unknown protein [Arabidopsis thaliana]'		

Seq. No.	48056	Seq. ID	OJ000315_33.0410.C23
Gene No.	102257	Strand	-
Start	1	End	817
Name	OJ000315_33.0410.C23.o1.np	Method	AAT/NAP
Start	1	End	817
GI	3668080	Score	341
Exons	1..129, 203..354, 475..817		
GI Descrip.	(AC004667) unknown protein [Arabidopsis thaliana]		

Seq. No.	48056	Seq. ID	OJ000315_33.0410.C23
Gene No.	102257	Strand	-
Start	1	End	817
Name	OJ000315_33.0410.C23.o1.gs	Method	GENSCAN
Start	34	End	765
GI	none	Score	.46

Exons	34..129, 497..765		
Seq. No.	48056	Seq. ID	OJ000315_33.0410.C23
Gene No.	102257	Strand	-
Start	1	End	817
Name	OJ000315_33.0410.C23.o1.tm	Method	TBLASTX:Maize
Start	34	End	529
GI	none	Score	130
Exons	34..135, 35..136, 36..137, 186..362, 203..361, 460..528, 471..521, 473..529, 475..528		
Seq. No.	48056	Seq. ID	OJ000315_33.0410.C23
Gene No.	102257	Strand	-
Start	1	End	817
Name	OJ000315_33.0410.C23.o1.ts	Method	TBLASTX:Soybean
Start	34	End	532
GI	none	Score	86
Exons	34..135, 35..130, 194..355, 201..362, 203..361, 471..515, 473..532		
Seq. No.	48056	Seq. ID	OJ000315_33.0410.C23
Gene No.	102257	Strand	-
Start	1	End	817
Name	OJ000315_33.0410.C23.o1.tc	Method	TBLASTX:Cress
Start	34	End	235
GI	none	Score	87
Exons	34..135, 35..130, 203..235		
Seq. No.	48057	Seq. ID	OJ000315_33.0410.C25
Gene No.	102258	Strand	+
Start	1	End	700
Name	OJ000315_33.0410.C25.o1.np	Method	AAT/NAP
Start	1	End	700
GI	6539586	Score	1045
Exons	1..700		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	48057	Seq. ID	OJ000315_33.0410.C25
Gene No.	102258	Strand	+
Start	1	End	700
Name	OJ000315_33.0410.C25.o1.gs	Method	GENSCAN
Start	158	End	675
GI	none	Score	61
Exons	158..675		
Seq. No.	48058	Seq. ID	OJ000115_38.0403.C2
Gene No.	102259	Strand	+
Start	6059	End	9563
Name	OJ000115_38.0403.C2.o1.np	Method	AAT/NAP
Start	6059	End	7760
GI	6505722	Score	469
Exons	6059..6320, 6366..7002, 7143..7286, 7401..7760		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		
Seq. No.	48058	Seq. ID	OJ000115_38.0403.C2

Gene No.	102259	Strand	+
Start	6059	End	9563
Name	OJ000115_38.0403.C2.o3.gs	Method	GENSCAN
Start	7149	End	9563
GI	none	Score	.58
Exons	7149..7286, 7398..7799, 9414..9563		

Seq. No.	48058	Seq. ID	OJ000115_38.0403.C2
Gene No.	102260	Strand	+
Start	12387	End	14634
Name	OJ000115_38.0403.C2.o4.gs	Method	GENSCAN
Start	12387	End	14634
GI	none	Score	.92
Exons	12387..13463, 14012..14158, 14266..14634		

Seq. No.	48058	Seq. ID	OJ000115_38.0403.C2
Gene No.	102261	Strand	+
Start	15431	End	16468
Name	OJ000115_38.0403.C2.o5.gs	Method	GENSCAN
Start	15431	End	16468
GI	none	Score	.58
Exons	15431..15512, 15932..16053, 16091..16468		

Seq. No.	48058	Seq. ID	OJ000115_38.0403.C2
Gene No.	102262	Strand	-
Start	6262	End	6966
Name	OJ000115_38.0403.C2.o2.gs	Method	GENSCAN
Start	6262	End	6966
GI	none	Score	1
Exons	6262..6966		

Seq. No.	48058	Seq. ID	OJ000115_38.0403.C2
Gene No.	102263	Strand	-
Start	19494	End	27979
Name	OJ000115_38.0403.C2.o1.tm	Method	TBLASTX:Maize
Start	9989	End	10469
GI	none	Score	125
Exons	9989..10048, 10084..10245, 10275..10469		

Seq. No.	48058	Seq. ID	OJ000115_38.0403.C2
Gene No.	102263	Strand	-
Start	19494	End	27979
Name	OJ000115_38.0403.C2.o1.tw	Method	TBLASTX:Wheat
Start	10362	End	10701
GI	none	Score	120
Exons	10362..10454, 10450..10701, 10478..10690, 10579..10698		

Seq. No.	48058	Seq. ID	OJ000115_38.0403.C2
Gene No.	102263	Strand	-
Start	19494	End	27979
Name	OJ000115_38.0403.C2.o6.gs	Method	GENSCAN
Start	19494	End	27979
GI	none	Score	.55
Exons	19494..19568, 21291..21315, 21343..21401, 21879..21954, 27417..27531, 27685..27853, 27974..27979		

Seq. No.	48058	Seq. ID	OJ000115_38.0403.C2

Gene No.	102263	Strand	-
Start	19494	End	27979
Name	OJ000115_38.0403.C2.o2.gp	Method	AAT/GAP
Start	23051	End	23462
GI	59410_1.R1084	Score	674
Exons	23051..23462		
GI Descrip.	'2499945/sp|Q42586|PYR5_ARATH 3.0e-51 URIDINE 5''-MONOPHOSPHATE SYNTHASE (UMP SYNTHASE) [INCLUDES: OROTATE PHOSPHORIBOSYLTRANSFERASE (OPRTASE); OROTIDINE 5''-PHOSPHATE DECARBOXYLASE (OMPDECASE)] >gi_1076363_pir__S46440 orotate phosphoribosyltransferase (EC 2.4.2.10) / orotidine-5''-phosphate decarboxylase (EC 4.1.1.23) - Arabidopsis thaliana >gi_443818_emb_CAA50686_ (X71842) pyrE-F [Ara'		

Seq. No.	48059	Seq. ID	OJ000115_38.0403.C3
Gene No.	102264	Strand	+
Start	1	End	3952
Name	OJ000115_38.0403.C3.o1.np	Method	AAT/NAP
Start	1	End	3952
GI	5295955	Score	1712
Exons	1..28, 396..492, 1367..1440, 1983..2097, 2778..3180, 3260..3335, 3375..3952		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	48059	Seq. ID	OJ000115_38.0403.C3
Gene No.	102264	Strand	+
Start	1	End	3952
Name	OJ000115_38.0403.C3.o1.gs	Method	GENSCAN
Start	338	End	2602
GI	none	Score	.61
Exons	338..424, 603..643, 1111..1147, 1226..1440, 1983..2106, 2521..2602		

Seq. No.	48059	Seq. ID	OJ000115_38.0403.C3
Gene No.	102265	Strand	-
Start	2297	End	7123
Name	OJ000115_38.0403.C3.o2.np	Method	AAT/NAP
Start	2297	End	7123
GI	3746069	Score	94
Exons	2297..2381, 2472..2562, 4968..5156, 7078..7123		
GI Descrip.	(AC005311) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	48059	Seq. ID	OJ000115_38.0403.C3
Gene No.	102265	Strand	-
Start	2297	End	7123
Name	OJ000115_38.0403.C3.o2.gs	Method	GENSCAN
Start	2936	End	7009
GI	none	Score	.64
Exons	2936..3068, 3112..3193, 3286..3444, 4356..4451, 5902..5970, 6817..6919, 6938..7009		

Seq. No.	48059	Seq. ID	OJ000115_38.0403.C3
Gene No.	102265	Strand	-
Start	2297	End	7123

Name	OJ000115_38.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	4942	End	5207
GI	none	Score	112
Exons	4942..5175, 4947..5207		

Seq. No.	48060	Seq. ID	OJ000115_38.0403.C4
Gene No.	102266	Strand	-
Start	964	End	1027
Name	OJ000115_38.0403.C4.o1.gs	Method	GENSCAN
Start	964	End	1027
GI	none	Score	.78
Exons	964..1027		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102267	Strand	+
Start	905	End	4452
Name	OJ000115_38.0403.C5.o1.np	Method	AAT/NAP
Start	905	End	4452
GI	6598488	Score	660
Exons	905..985, 2695..3349, 3907..4108, 4191..4452		
GI Descrip.	(AC005770) unknown protein [Arabidopsis thaliana]		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102267	Strand	+
Start	905	End	4452
Name	OJ000115_38.0403.C5.o1.gs	Method	GENSCAN
Start	2561	End	4449
GI	none	Score	.93
Exons	2561..3349, 3907..4449		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102268	Strand	+
Start	5213	End	11810
Name	OJ000115_38.0403.C5.o2.gs	Method	GENSCAN
Start	5213	End	11586
GI	none	Score	.56
Exons	5213..5407, 6681..6758, 6915..7035, 7113..7199, 9739..10016, 10061..10174, 10303..11586		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102268	Strand	+
Start	5213	End	11810
Name	OJ000115_38.0403.C5.o2.np	Method	AAT/NAP
Start	8913	End	11589
GI	6598488	Score	727
Exons	8913..8990, 10393..11260, 11319..11589		
GI Descrip.	(AC005770) unknown protein [Arabidopsis thaliana]		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102268	Strand	+
Start	5213	End	11810
Name	OJ000115_38.0403.C5.o1.gp	Method	AAT/GAP
Start	10234	End	10896
GI	52898_1.R1084	Score	1269
Exons	10234..10896		
GI Descrip.	'4678310/emb|CAB41101.1| 2.0e-31 (AL049655) putative protein [Arabidopsis thaliana]'		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102268	Strand	+
Start	5213	End	11810
Name	OJ000115_38.0403.C5.o2.gp	Method	AAT/GAP
Start	11290	End	11810
GI	27770_1.R1084	Score	977
Exons	11290..11810		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102269	Strand	+
Start	19216	End	20925
Name	OJ000115_38.0403.C5.o4.gp	Method	AAT/GAP
Start	19139	End	19512
GI	94395_1.R1084	Score	712
Exons	19139..19512		
GI Descrip.	'4115534/dbj|BAA36410| 9.0e-36 (AB012114) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]'		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102269	Strand	+
Start	19216	End	20925
Name	OJ000115_38.0403.C5.o4.np	Method	AAT/NAP
Start	19210	End	20682
GI	4335714	Score	829
Exons	19210..20682		
GI Descrip.	(AC006248) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102269	Strand	+
Start	19216	End	20925
Name	OJ000115_38.0403.C5.o5.gs	Method	GENSCAN
Start	19216	End	20700
GI	none	Score	.68
Exons	19216..20700		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102269	Strand	+
Start	19216	End	20925
Name	OJ000115_38.0403.C5.o5.gp	Method	AAT/GAP
Start	19503	End	19961
GI	2312149	Score	713
Exons	19503..19961		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102269	Strand	+
Start	19216	End	20925
Name	OJ000115_38.0403.C5.o6.gp	Method	AAT/GAP
Start	20211	End	20925
GI	5851004	Score	1353
Exons	20211..20925		
GI Descrip.	4115534/dbj|BAA36410| 9.0e-36 (AB012114) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5

Gene No.	102270	Strand	+
Start	26788	End	28237
Name	OJ000115_38.0403.C5.o7.gs	Method	GENSCAN
Start	26788	End	28237
GI	none	Score	.66
Exons	26788..27300, 27434..28237		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102271	Strand	-
Start	12075	End	17541
Name	OJ000115_38.0403.C5.o3.gs	Method	GENSCAN
Start	12075	End	17541
GI	none	Score	.66
Exons	12075..12122, 12435..12590, 12940..13064, 13149..13221, 13249..13473, 13850..13981, 14117..14248, 14320..14408, 14464..14699, 15081..15158, 15213..15325, 15443..15551, 15957..16062, 17391..17541		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102271	Strand	-
Start	12075	End	17541
Name	OJ000115_38.0403.C5.o3.gp	Method	AAT/GAP
Start	15582	End	15828
GI	3761181	Score	425
Exons	15582..15828		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102272	Strand	-
Start	17900	End	18314
Name	OJ000115_38.0403.C5.o4.gs	Method	GENSCAN
Start	17900	End	18169
GI	none	Score	.92
Exons	17900..18169		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102272	Strand	-
Start	17900	End	18314
Name	OJ000115_38.0403.C5.o3.np	Method	AAT/NAP
Start	17954	End	18314
GI	7106512	Score	562
Exons	17954..18314		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102273	Strand	-
Start	21784	End	25680
Name	OJ000115_38.0403.C5.o6.gs	Method	GENSCAN
Start	21784	End	25680
GI	none	Score	.47
Exons	21784..21859, 23482..23619, 24452..24530, 24554..24671, 25474..25680		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-

Start	28213	End	29622
Name	OJ000115_38.0403.C5.o4.tm	Method	TBLASTX:Maize
Start	2639	End	10674
GI	none	Score	256
Exons	2639..2869, 2708..2869, 2876..2923, 2882..2914, 10333..10359, 10375..10437, 10416..10463, 10420..10593, 10422..10592, 10587..10649, 10594..10647, 10645..10674, 10645..10674		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-
Start	28213	End	29622
Name	OJ000115_38.0403.C5.o3.ts	Method	TBLASTX:Soybean
Start	2693	End	10805
GI	none	Score	301
Exons	2693..3070, 10416..10805, 10417..10794		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-
Start	28213	End	29622
Name	OJ000115_38.0403.C5.o1.tm	Method	TBLASTX:Maize
Start	2951	End	11586
GI	none	Score	129
Exons	2951..3121, 3194..3361, 3904..4119, 4222..4323, 10675..10929, 10710..10928, 10929..11033, 10933..11283, 11109..11282, 11320..11463, 11328..11462, 11491..11586		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-
Start	28213	End	29622
Name	OJ000115_38.0403.C5.o2.tc	Method	TBLASTX:Cress
Start	3194	End	11283
GI	none	Score	115
Exons	3194..3352, 3907..4119, 10843..10929, 10921..11283, 11070..11282		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-
Start	28213	End	29622
Name	OJ000115_38.0403.C5.o2.ts	Method	TBLASTX:Soybean
Start	3284	End	11463
GI	none	Score	65
Exons	3284..3352, 3907..4119, 3945..4106, 4228..4323, 11005..11283, 11010..11282, 11320..11463, 11325..11462		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-
Start	28213	End	29622
Name	OJ000115_38.0403.C5.o1.tc	Method	TBLASTX:Cress
Start	19206	End	27285
GI	none	Score	268
Exons	19206..19340, 19207..19389, 19402..19563, 19438..19569, 19488..19568, 19570..19683, 19591..19701, 26785..26976, 26787..26954, 26788..26970, 27009..27110, 27010..27162, 27010..27147, 27154..27273, 27164..27280, 27174..27281, 27175..27285		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-

Start	28213	End	29622
Name	OJ000115_38.0403.C5.o2.tm	Method	TBLASTX:Maize
Start	19222	End	27180
GI	none	Score	249
Exons	19222..19389, 19225..19305, 19230..19340, 19426..19596, 19438..19593, 26803..26976, 26811..26954, 27010..27180, 27010..27180		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-
Start	28213	End	29622
Name	OJ000115_38.0403.C5.o1.tw	Method	TBLASTX:Wheat
Start	19509	End	27378
GI	none	Score	281
Exons	19509..19712, 19510..19734, 19741..19794, 19759..19794, 27100..27318, 27100..27318, 27162..27323, 27315..27377, 27325..27378, 27325..27378		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-
Start	28213	End	29622
Name	OJ000115_38.0403.C5.o1.ts	Method	TBLASTX:Soybean
Start	19540	End	28213
GI	none	Score	118
Exons	19540..19716, 19735..19869, 19846..19977, 20029..20208, 20254..20475, 20259..20471, 20551..20670, 27058..27264, 27343..27393, 27422..27526, 27581..27748, 27797..28102, 27802..27963, 28097..28213		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-
Start	28213	End	29622
Name	OJ000115_38.0403.C5.o5.tm	Method	TBLASTX:Maize
Start	19960	End	27907
GI	none	Score	156
Exons	19960..20193, 20035..20181, 20253..20357, 20260..20364, 20278..20358, 27440..27475, 27512..27748, 27587..27748, 27796..27900, 27803..27907		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-
Start	28213	End	29622
Name	OJ000115_38.0403.C5.o3.tc	Method	TBLASTX:Cress
Start	20022	End	27961
GI	none	Score	123
Exons	20022..20105, 20035..20205, 20257..20454, 20259..20405, 27407..27475, 27574..27657, 27587..27727, 27800..27961, 27802..27948		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-
Start	28213	End	29622
Name	OJ000115_38.0403.C5.o2.tw	Method	TBLASTX:Wheat
Start	20125	End	27967
GI	none	Score	60
Exons	20125..20175, 20250..20453, 20251..20451, 27677..27754, 27793..27966, 27794..27967		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-
Start	28213	End	29622
Name	OJ000115_38.0403.C5.o3.tm	Method	TBLASTX:Maize
Start	20367	End	28221
GI	none	Score	81
Exons	20367..20426, 20367..20489, 20368..20511, 20500..20559, 20500..20559, 20557..20697, 20598..20696, 27910..28089, 27911..28105, 27974..28105, 28169..28219, 28174..28221		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-
Start	28213	End	29622
Name	OJ000115_38.0403.C5.o5.np	Method	AAT/NAP
Start	28213	End	29553
GI	7340868	Score	228
Exons	28213..28291, 28339..28488, 29366..29553		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	48061	Seq. ID	OJ000115_38.0403.C5
Gene No.	102274	Strand	-
Start	28213	End	29622
Name	OJ000115_38.0403.C5.o8.gs	Method	GENSCAN
Start	28578	End	29622
GI	none	Score	.48
Exons	28578..28600, 29341..29622		

Seq. No.	48062	Seq. ID	OJ000115_38.0403.C6
Gene No.	102275	Strand	+
Start	1	End	2501
Name	OJ000115_38.0403.C6.o1.np	Method	AAT/NAP
Start	1	End	2501
GI	7106516	Score	65
Exons	1..37, 150..314, 2472..2501		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	48062	Seq. ID	OJ000115_38.0403.C6
Gene No.	102275	Strand	+
Start	1	End	2501
Name	OJ000115_38.0403.C6.o1.gs	Method	GENSCAN
Start	180	End	298
GI	none	Score	.82
Exons	180..298		

Seq. No.	48062	Seq. ID	OJ000115_38.0403.C6
Gene No.	102276	Strand	+
Start	5278	End	7529
Name	OJ000115_38.0403.C6.o3.gs	Method	GENSCAN
Start	5278	End	7529
GI	none	Score	.98
Exons	5278..6265, 6445..7529		

Seq. No.	48062	Seq. ID	OJ000115_38.0403.C6
Gene No.	102276	Strand	+
Start	5278	End	7529
Name	OJ000115_38.0403.C6.o3.np	Method	AAT/NAP

Start	5278	End	7510
GI	5902444	Score	2367
Exons	5278..7510		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	48062	Seq. ID	OJ000115_38.0403.C6
Gene No.	102277	Strand	-
Start	572	End	7819
Name	OJ000115_38.0403.C6.o2.gs	Method	GENSCAN
Start	572	End	4184
GI	none	Score	.52
Exons	572..706, 1449..1682, 1815..1937, 1999..2159, 3774..3849, 3960..4184		

Seq. No.	48062	Seq. ID	OJ000115_38.0403.C6
Gene No.	102277	Strand	-
Start	572	End	7819
Name	OJ000115_38.0403.C6.o2.np	Method	AAT/NAP
Start	1897	End	7819
GI	7340868	Score	217
Exons	1897..2087, 7792..7819		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	48062	Seq. ID	OJ000115_38.0403.C6
Gene No.	102277	Strand	-
Start	572	End	7819
Name	OJ000115_38.0403.C6.o1.tw	Method	TBLASTX:Wheat
Start	7178	End	7505
GI	none	Score	288
Exons	7178..7498, 7179..7505		

Seq. No.	48062	Seq. ID	OJ000115_38.0403.C6
Gene No.	102277	Strand	-
Start	572	End	7819
Name	OJ000115_38.0403.C6.o1.gp	Method	AAT/GAP
Start	7658	End	7770
GI	uC-osflcyp088b12b1	Score	155
Exons	7658..7770		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	48063	Seq. ID	OJ000115_38.0403.C7
Gene No.	102278	Strand	+
Start	4574	End	5880
Name	OJ000115_38.0403.C7.o1.np	Method	AAT/NAP
Start	4574	End	5880
GI	7248392	Score	342
Exons	4574..4654, 5402..5880		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48063	Seq. ID	OJ000115_38.0403.C7
Gene No.	102279	Strand	-
Start	64	End	5717
Name	OJ000115_38.0403.C7.o1.gs	Method	GENSCAN
Start	64	End	5717
GI	none	Score	.7
Exons	64..479, 691..800, 1515..1554, 2397..2673, 2752..2831,		

2884..2964, 3166..3333, 5453..5494, 5578..5717

Seq. No.	48063	Seq. ID	OJ000115_38.0403.C7
Gene No.	102279	Strand	-
Start	64	End	5717
Name	OJ000115_38.0403.C7.o1.gp	Method	AAT/GAP
Start	3650	End	3758
GI	uC-osflcyp088b12b1	Score	149
Exons	3650..3758		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102280	Strand	+
Start	172	End	3641
Name	OJ000115_38.0403.C8.o1.gs	Method	GENSCAN
Start	172	End	3547
GI	none	Score	.42
Exons	172..273, 297..439, 536..1257, 1271..1584, 1618..2692, 2734..3009, 3175..3400, 3412..3547		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102280	Strand	+
Start	172	End	3641
Name	OJ000115_38.0403.C8.o1.np	Method	AAT/NAP
Start	519	End	3641
GI	5902445	Score	4890
Exons	519..2821, 2848..3641		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102281	Strand	+
Start	7979	End	8760
Name	OJ000115_38.0403.C8.o3.gs	Method	GENSCAN
Start	7979	End	8760
GI	none	Score	.72
Exons	7979..7994, 8360..8760		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102282	Strand	+
Start	11044	End	18417
Name	OJ000115_38.0403.C8.o4.gs	Method	GENSCAN
Start	11044	End	17883
GI	none	Score	.94
Exons	11044..11128, 14360..14396, 14505..14571, 14651..14844, 15914..16074, 16440..16522, 16606..16662, 17142..17250, 17368..17420, 17782..17883		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102282	Strand	+
Start	11044	End	18417
Name	OJ000115_38.0403.C8.o4.np	Method	AAT/NAP
Start	16348	End	18417
GI	3309575	Score	424
Exons	16348..16522, 16606..16662, 17142..17250, 17368..17420, 17782..17862, 17953..18065, 18342..18417		
GI Descrip.	(AF060553) calcium sensor homolog [Arabidopsis thaliana]		

gi|4538989|emb|CAB39731.1| (Y18870) CBL4 protein [Arabidopsis thaliana]

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102283	Strand	-
Start	3972	End	6874
Name	OJ000115_38.0403.C8.o2.gs	Method	GENSCAN
Start	3972	End	6874
GI	none	Score	.57
Exons	3972..4423, 4495..4593, 4672..4840, 5187..5427, 5616..5905, 5990..6315, 6685..6874		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102283	Strand	-
Start	3972	End	6874
Name	OJ000115_38.0403.C8.o2.np	Method	AAT/NAP
Start	3975	End	6874
GI	6691716	Score	2803
Exons	3975..4423, 4495..4610, 4740..4840, 4912..5099, 5177..5318, 5394..5540, 5615..5800, 5996..6874		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102284	Strand	-
Start	9867	End	12780
Name	OJ000115_38.0403.C8.o3.np	Method	AAT/NAP
Start	9867	End	12780
GI	7510076	Score	111
Exons	9867..9942, 10015..10257, 12479..12780		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102284	Strand	-
Start	9867	End	12780
Name	OJ000115_38.0403.C8.o1.gp	Method	AAT/GAP
Start	9908	End	10267
GI	2309883	Score	500
Exons	9908..10267		
GI Descrip.	2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o2.tw	Method	TBLASTX:Wheat
Start	429	End	789
GI	none	Score	418
Exons	429..788, 436..789, 443..787		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o3.ts	Method	TBLASTX:Soybean
Start	504	End	869

GI	none	Score	128
Exons	504..728, 735..869		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o2.tm	Method	TBLASTX:Maize
Start	593	End	950
GI	none	Score	367
Exons	593..940, 594..950		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o1.tw	Method	TBLASTX:Wheat
Start	819	End	1238
GI	none	Score	500
Exons	819..1238, 831..1163, 869..1237		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o3.tm	Method	TBLASTX:Maize
Start	978	End	1362
GI	none	Score	291
Exons	978..1268, 987..1184, 1016..1258, 1264..1362		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o1.ts	Method	TBLASTX:Soybean
Start	1083	End	1515
GI	none	Score	171
Exons	1083..1271, 1130..1255, 1161..1265, 1267..1515, 1341..1481		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o3.tw	Method	TBLASTX:Wheat
Start	1284	End	1713
GI	none	Score	387
Exons	1284..1697, 1285..1713		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o2.ts	Method	TBLASTX:Soybean
Start	1711	End	2129
GI	none	Score	82
Exons	1711..1839, 1749..1835, 1881..2129, 1885..2127		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o4.tw	Method	TBLASTX:Wheat
Start	1750	End	2172
GI	none	Score	384

Exons	1750..2172, 1755..2096		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o6.tm	Method	TBLASTX:Maize
Start	1803	End	2076
GI	none	Score	125
Exons	1803..1973, 1804..1974, 1978..2076, 2010..2075		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o9.tw	Method	TBLASTX:Wheat
Start	2188	End	2487
GI	none	Score	123
Exons	2188..2322, 2389..2487		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	2484	End	2817
GI	none	Score	436
Exons	2484..2810, 2485..2817		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o5.tw	Method	TBLASTX:Wheat
Start	2490	End	2903
GI	none	Score	348
Exons	2490..2801, 2491..2811, 2686..2826, 2850..2903, 2858..2902		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o5.tm	Method	TBLASTX:Maize
Start	2975	End	3248
GI	none	Score	95
Exons	2975..3082, 2976..3074, 3065..3139, 3069..3152, 3162..3248		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o6.tw	Method	TBLASTX:Wheat
Start	3018	End	3632
GI	none	Score	271
Exons	3018..3317, 3038..3127, 3179..3310, 3495..3632		
Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o7.tm	Method	TBLASTX:Maize
Start	3399	End	3593
GI	none	Score	94
Exons	3399..3512, 3491..3592, 3492..3593		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o7.tw	Method	TBLASTX:Wheat
Start	6464	End	6754
GI	none	Score	188
Exons	6464..6754		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o4.tm	Method	TBLASTX:Maize
Start	15934	End	18041
GI	none	Score	99
Exons	15934..16023, 15935..16024, 15936..16022, 15937..16029, 16441..16524, 16442..16522, 16445..16528, 16446..16529, 16603..16641, 16603..16653, 16604..16657, 16636..16665, 17139..17243, 17140..17229, 17141..17242, 17145..17249, 17146..17247, 17361..17423, 17363..17431, 17369..17425, 17779..17862, 17780..17911, 17785..17862, 17958..18041, 17959..18039		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o8.tw	Method	TBLASTX:Wheat
Start	17139	End	17862
GI	none	Score	136
Exons	17139..17243, 17140..17235, 17141..17236, 17354..17431, 17361..17423, 17788..17862		

Seq. No.	48064	Seq. ID	OJ000115_38.0403.C8
Gene No.	102285	Strand	-
Start	18773	End	19299
Name	OJ000115_38.0403.C8.o5.gs	Method	GENSCAN
Start	18773	End	19299
GI	none	Score	.77
Exons	18773..18958, 19082..19299		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102286	Strand	+
Start	2655	End	14348
Name	OJ000115_38.0403.C9.o2.np	Method	AAT/NAP
Start	2655	End	14348
GI	5107831	Score	36
Exons	2655..2712, 5393..5462, 5900..6040, 6555..6783, 14328..14348		
GI Descrip.	(AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102286	Strand	+
Start	2655	End	14348
Name	OJ000115_38.0403.C9.o4.np	Method	AAT/NAP
Start	8576	End	11227

GI	5042458	Score	280
Exons	8576..8598, 10160..10522, 11198..11227		
GI Descrip.	(AC007789) putative geranylgeranyl pyrophosphate synthase [Oryza sativa]		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102286	Strand	+
Start	2655	End	14348
Name	OJ000115_38.0403.C9.o4.gs	Method	GENSCAN
Start	11744	End	13246
GI	none	Score	1
Exons	11744..13246		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102286	Strand	+
Start	2655	End	14348
Name	OJ000115_38.0403.C9.o5.np	Method	AAT/NAP
Start	11765	End	13243
GI	6850873	Score	1169
Exons	11765..13243		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102286	Strand	+
Start	2655	End	14348
Name	OJ000115_38.0403.C9.o1.gp	Method	AAT/GAP
Start	12673	End	12951
GI	61547_1.R1084	Score	486
Exons	12673..12951		
GI Descrip.	'2160166 3.0e-09 (AC000132) No definition line found [Arabidopsis thaliana]'		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102287	Strand	-
Start	560	End	5717
Name	OJ000115_38.0403.C9.o1.gs	Method	GENSCAN
Start	560	End	5717
GI	none	Score	.73
Exons	560..1438, 1534..2395, 2615..4483, 4661..4708, 4797..4934, 5063..5208, 5709..5717		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102287	Strand	-
Start	560	End	5717
Name	OJ000115_38.0403.C9.o1.np	Method	AAT/NAP
Start	563	End	4467
GI	6539553	Score	6747
Exons	563..4467		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102288	Strand	-
Start	7019	End	8921
Name	OJ000115_38.0403.C9.o2.gs	Method	GENSCAN

Start	7019	End	8921
GI	none	Score	.95
Exons	7019..7363, 7600..7749, 7860..8921		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102288	Strand	-
Start	7019	End	8921
Name	OJ000115_38.0403.C9.o3.np	Method	AAT/NAP
Start	7034	End	8831
GI	6505722	Score	551
Exons	7034..7357, 7597..7749, 7860..8651, 8736..8831		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o2.tw	Method	TBLASTX:Wheat
Start	699	End	1175
GI	none	Score	356
Exons	699..1085, 737..1084, 778..1086, 1100..1174, 1104..1175		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o6.ts	Method	TBLASTX:Soybean
Start	827	End	1168
GI	none	Score	79
Exons	827..1036, 906..1031, 1055..1168, 1062..1142		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o6.tm	Method	TBLASTX:Maize
Start	1031	End	1370
GI	none	Score	206
Exons	1031..1369, 1032..1370		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o4.ts	Method	TBLASTX:Soybean
Start	1181	End	1526
GI	none	Score	124
Exons	1181..1525, 1326..1526		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o3.tw	Method	TBLASTX:Wheat
Start	1379	End	1923
GI	none	Score	48
Exons	1379..1564, 1389..1511, 1579..1923, 1603..1776		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-

Start	9042	End	11524
Name	OJ000115_38.0403.C9.o5.tm	Method	TBLASTX:Maize
Start	1460	End	1924
GI	none	Score	52
Exons	1460..1567, 1567..1923, 1574..1672, 1606..1788, 1742..1924		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o2.ts	Method	TBLASTX:Soybean
Start	1594	End	2058
GI	5509260	Score	58
Exons	1594..2058, 1613..1672, 1745..1840, 1889..1957		
GI Descrip.	-		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o2.tc	Method	TBLASTX:Cress
Start	1705	End	1965
GI	none	Score	62
Exons	1705..1965, 1886..1963		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o1.tw	Method	TBLASTX:Wheat
Start	1978	End	2733
GI	none	Score	200
Exons	1978..2217, 1979..2137, 1995..2225, 1998..2195, 2246..2725, 2269..2733		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o5.ts	Method	TBLASTX:Soybean
Start	2383	End	2781
GI	none	Score	38
Exons	2383..2556, 2510..2548, 2557..2781, 2603..2773		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o7.tm	Method	TBLASTX:Maize
Start	2569	End	3003
GI	none	Score	76
Exons	2569..3003, 2594..2752		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o6.tw	Method	TBLASTX:Wheat
Start	2734	End	2925
GI	none	Score	186
Exons	2734..2925, 2734..2925		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9

Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o7.ts	Method	TBLASTX:Soybean
Start	2791	End	3177
GI	none	Score	88
Exons	2791..3039, 3022..3177		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o3.tm	Method	TBLASTX:Maize
Start	3204	End	3526
GI	none	Score	395
Exons	3204..3371, 3205..3519, 3206..3499, 3272..3526		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o4.tm	Method	TBLASTX:Maize
Start	4025	End	4338
GI	none	Score	297
Exons	4025..4330, 4027..4338		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o4.tw	Method	TBLASTX:Wheat
Start	4087	End	4473
GI	none	Score	258
Exons	4087..4473, 4088..4462		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102289	Strand	-
Start	9042	End	11524
Name	OJ000115_38.0403.C9.o3.gs	Method	GENSCAN
Start	9042	End	11524
GI	none	Score	.6
Exons	9042..9108, 9269..9343, 9776..9875, 10044..10170, 10230..10549, 10587..10673, 11302..11470, 11516..11524		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102290	Strand	
Start	11837	End	13258
Name	OJ000115_38.0403.C9.o1.tm	Method	TBLASTX:Maize
Start	11837	End	12850
GI	none	Score	77
Exons	11837..11908, 11842..11922, 11893..12009, 11924..12025, 11957..12025, 12137..12307, 12145..12528, 12161..12643, 12464..12532, 12583..12666, 12628..12654, 12673..12723, 12724..12849, 12731..12850		

Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102290	Strand	
Start	11837	End	13258
Name	OJ000115_38.0403.C9.o1.ts	Method	TBLASTX:Soybean
Start	12128	End	12913
GI	none	Score	398

Exons	12128..12304, 12148..12474, 12161..12490, 12487..12519, 12488..12520, 12521..12643, 12580..12654, 12700..12846, 12731..12874, 12838..12897, 12851..12913		
Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102290	Strand	
Start	11837	End	13258
Name	OJ000115_38.0403.C9.o1.tc	Method	TBLASTX:Cress
Start	12145	End	13246
GI	none	Score	236
Exons	12145..12387, 12167..12388, 12385..12528, 12395..12532, 12620..12643, 12737..12793, 12851..12904, 12856..12897, 12982..13245, 12983..13246		
Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102290	Strand	
Start	11837	End	13258
Name	OJ000115_38.0403.C9.o5.tw	Method	TBLASTX:Wheat
Start	12661	End	12913
GI	none	Score	290
Exons	12661..12897, 12689..12913, 12746..12907		
Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102290	Strand	
Start	11837	End	13258
Name	OJ000115_38.0403.C9.o2.tm	Method	TBLASTX:Maize
Start	12967	End	13258
GI	none	Score	463
Exons	12967..13239, 12968..13258		
Seq. No.	48065	Seq. ID	OJ000115_38.0403.C9
Gene No.	102290	Strand	
Start	11837	End	13258
Name	OJ000115_38.0403.C9.o3.ts	Method	TBLASTX:Soybean
Start	12980	End	13243
GI	none	Score	117
Exons	12980..13060, 12994..13053, 13061..13243, 13061..13105, 13087..13242		
Seq. No.	48066	Seq. ID	OJ000315_26.0406.C2
Gene No.	102291	Strand	+
Start	1536	End	3763
Name	OJ000315_26.0406.C2.o1.gs	Method	GENSCAN
Start	1536	End	3763
GI	none	Score	.57
Exons	1536..1729, 1966..2342, 2409..2646, 2698..2774, 3149..3279, 3586..3763		
Seq. No.	48066	Seq. ID	OJ000315_26.0406.C2
Gene No.	102292	Strand	+
Start	4758	End	4972
Name	OJ000315_26.0406.C2.o2.gs	Method	GENSCAN
Start	4758	End	4972
GI	none	Score	.72
Exons	4758..4846, 4891..4972		
Seq. No.	48066	Seq. ID	OJ000315_26.0406.C2

Gene No.	102293	Strand	-
Start	2010	End	2297
Name	OJ000315_26.0406.C2.o1.np	Method	AAT/NAP
Start	2010	End	2297
GI	7340702	Score	232
Exons	2010..2297		
GI Descrip.	(AL162507) ATP-dependent RNA helicase-like protein [Arabidopsis thaliana]		

Seq. No.	48066	Seq. ID	OJ000315_26.0406.C2
Gene No.	102294	Strand	-
Start	6460	End	7061
Name	OJ000315_26.0406.C2.o3.gs	Method	GENSCAN
Start	6460	End	7061
GI	none	Score	.77
Exons	6460..6572, 6938..7061		

Seq. No.	48066	Seq. ID	OJ000315_26.0406.C2
Gene No.	102295	Strand	-
Start	13609	End	15018
Name	OJ000315_26.0406.C2.o2.ts	Method	TBLASTX:Soybean
Start	1998	End	2300
GI	none	Score	96
Exons	1998..2141, 2007..2174, 2014..2175, 2214..2300, 2247..2297		

Seq. No.	48066	Seq. ID	OJ000315_26.0406.C2
Gene No.	102295	Strand	-
Start	13609	End	15018
Name	OJ000315_26.0406.C2.o2.tc	Method	TBLASTX:Cress
Start	2007	End	2300
GI	none	Score	134
Exons	2007..2174, 2011..2175, 2229..2300		

Seq. No.	48066	Seq. ID	OJ000315_26.0406.C2
Gene No.	102295	Strand	-
Start	13609	End	15018
Name	OJ000315_26.0406.C2.o2.tm	Method	TBLASTX:Maize
Start	2091	End	2303
GI	none	Score	85
Exons	2091..2144, 2091..2303, 2092..2181, 2226..2303		

Seq. No.	48066	Seq. ID	OJ000315_26.0406.C2
Gene No.	102295	Strand	-
Start	13609	End	15018
Name	OJ000315_26.0406.C2.o1.tm	Method	TBLASTX:Maize
Start	13609	End	14628
GI	none	Score	80
Exons	13609..13683, 13669..13767, 13774..14469, 13903..13995, 13916..14470, 14515..14628		

Seq. No.	48066	Seq. ID	OJ000315_26.0406.C2
Gene No.	102295	Strand	-
Start	13609	End	15018
Name	OJ000315_26.0406.C2.o2.np	Method	AAT/NAP
Start	13609	End	15018
GI	6983690	Score	998
Exons	13609..14658, 14855..15018		

GI Descrip. (AJ132636) AE9 stearoyl-ACP desaturase [Gossypium hirsutum]

Seq. No.	48066	Seq. ID	OJ000315_26.0406.C2
Gene No.	102295	Strand	-
Start	13609	End	15018
Name	OJ000315_26.0406.C2.o1.tw	Method	TBLASTX:Wheat
Start	13624	End	14011
GI	none	Score	119
Exons	13624..13764, 13624..13764, 13765..13809, 13765..14010, 13903..13986, 13916..14011		

Seq. No.	48066	Seq. ID	OJ000315_26.0406.C2
Gene No.	102295	Strand	-
Start	13609	End	15018
Name	OJ000315_26.0406.C2.o1.tc	Method	TBLASTX:Cress
Start	13645	End	14628
GI	none	Score	306
Exons	13645..13767, 13774..14469, 13916..14455, 14515..14628		

Seq. No.	48066	Seq. ID	OJ000315_26.0406.C2
Gene No.	102295	Strand	-
Start	13609	End	15018
Name	OJ000315_26.0406.C2.o1.ts	Method	TBLASTX:Soybean
Start	13669	End	14616
GI	none	Score	40
Exons	13669..13767, 13774..14469, 13777..13812, 13916..14470, 14515..14616		

Seq. No.	48067	Seq. ID	OJ000315_26.0406.C3
Gene No.	102296	Strand	+
Start	1969	End	2025
Name	OJ000315_26.0406.C3.o1.gp	Method	AAT/GAP
Start	1969	End	2025
GI	3759960	Score	57
Exons	1969..2025		

Seq. No.	48067	Seq. ID	OJ000315_26.0406.C3
Gene No.	102297	Strand	-
Start	1175	End	1294
Name	OJ000315_26.0406.C3.o1.np	Method	AAT/NAP
Start	1175	End	1294
GI	7106528	Score	68
Exons	1175..1294		

GI Descrip. (AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	48067	Seq. ID	OJ000315_26.0406.C3
Gene No.	102298	Strand	-
Start	1239	End	1910
Name	OJ000315_26.0406.C3.o2.gs	Method	GENSCAN
Start	1239	End	1910
GI	none	Score	.59
Exons	1239..1348, 1715..1910		

Seq. No.	48068	Seq. ID	OJ000315_26.0406.C5
Gene No.	102299	Strand	+
Start	3255	End	5220

Name	OJ000315_26.0406.C5.o1.gp	Method	AAT/GAP
Start	3255	End	5220
GI	1042_1.R1084	Score	1242
Exons	3255..3314, 3420..3617, 3743..3795, 4041..4096, 4210..4262, 4898..5220		
GI Descrip.	'1835731 3.0e-61 (U86018) photosystem II 10 kDa polypeptide [Oryza sativa]'		

Seq. No.	48068	Seq. ID	OJ000315_26.0406.C5
Gene No.	102299	Strand	+
Start	3255	End	5220
Name	OJ000315_26.0406.C5.o1.gs	Method	GENSCAN
Start	3482	End	4992
GI	none	Score	.72
Exons	3482..3617, 3743..3795, 4041..4096, 4210..4262, 4898..4992		

Seq. No.	48068	Seq. ID	OJ000315_26.0406.C5
Gene No.	102299	Strand	+
Start	3255	End	5220
Name	OJ000315_26.0406.C5.o1.np	Method	AAT/NAP
Start	3494	End	4989
GI	7443194	Score	535
Exons	3494..3617, 3743..3795, 4041..4096, 4210..4262, 4898..4989		
GI Descrip.	photosystem II 10K protein - rice gi|1835731|gb|AAB46718.1| (U86018) photosystem II 10 kDa polypeptide [Oryza sativa]		

Seq. No.	48068	Seq. ID	OJ000315_26.0406.C5
Gene No.	102300	Strand	+
Start	6139	End	6476
Name	OJ000315_26.0406.C5.o2.gs	Method	GENSCAN
Start	6139	End	6476
GI	none	Score	.66
Exons	6139..6254, 6393..6476		

Seq. No.	48069	Seq. ID	OJ000315_26.0406.C6
Gene No.	102301	Strand	+
Start	44	End	355
Name	OJ000315_26.0406.C6.o1.gs	Method	GENSCAN
Start	44	End	355
GI	none	Score	.57
Exons	44..157, 228..355		

Seq. No.	48069	Seq. ID	OJ000315_26.0406.C6
Gene No.	102302	Strand	-
Start	1022	End	1161
Name	OJ000315_26.0406.C6.o2.gs	Method	GENSCAN
Start	1022	End	1161
GI	none	Score	.65
Exons	1022..1161		

Seq. No.	48070	Seq. ID	OJ000315_26.0406.C8
Gene No.	102303	Strand	+
Start	18	End	7893
Name	OJ000315_26.0406.C8.o1.gs	Method	GENSCAN
Start	18	End	7893
GI	none	Score	.44
Exons	18..243, 572..629, 1108..1196, 2139..2221, 3088..3174,		

3765..3873, 4258..4434, 5746..5899, 7815..7893

Seq. No.	48070	Seq. ID	OJ000315_26.0406.C8
Gene No.	102303	Strand	+
Start	18	End	7893
Name	OJ000315_26.0406.C8.o1.gp	Method	AAT/GAP
Start	68	End	1233
GI	28152_1.R1084	Score	1444
Exons	68..243, 572..661, 738..1233		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	48070	Seq. ID	OJ000315_26.0406.C8
Gene No.	102303	Strand	+
Start	18	End	7893
Name	OJ000315_26.0406.C8.o1.np	Method	AAT/NAP
Start	1116	End	5086
GI	7242910	Score	73
Exons	1116..1180, 4193..4373, 4990..5086		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	48070	Seq. ID	OJ000315_26.0406.C8
Gene No.	102304	Strand	+
Start	9180	End	9947
Name	OJ000315_26.0406.C8.o2.np	Method	AAT/NAP
Start	9180	End	9947
GI	7523502	Score	167
Exons	9180..9277, 9588..9683, 9730..9947		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48070	Seq. ID	OJ000315_26.0406.C8
Gene No.	102305	Strand	-
Start	9001	End	9883
Name	OJ000315_26.0406.C8.o2.gs	Method	GENSCAN
Start	9001	End	9883
GI	none	Score	.8
Exons	9001..9117, 9536..9625, 9650..9883		

Seq. No.	48071	Seq. ID	OJ000315_26.0406.C9
Gene No.	102306	Strand	+
Start	222	End	320
Name	OJ000315_26.0406.C9.o1.gs	Method	GENSCAN
Start	222	End	320
GI	none	Score	.4
Exons	222..320		

Seq. No.	48072	Seq. ID	OJ000315_26.0406.C10
Gene No.	102307	Strand	+
Start	1525	End	1673
Name	OJ000315_26.0406.C10.o1.np	Method	AAT/NAP
Start	1525	End	1673
GI	4587514	Score	126
Exons	1525..1673		
GI Descrip.	(AC007060) Similar to WO8E3.3 gi|3880615 putative GTP-binding protein from C. elegans cosmid gb|Z92773. EST gb|AA597331 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	48072	Seq. ID	OJ000315_26.0406.C10
Gene No.	102308	Strand	-
Start	1438	End	1614
Name	OJ000315_26.0406.C10.o1.gp	Method	AAT/GAP
Start	1438	End	1614
GI	33691_1.R1084	Score	329
Exons	1438..1614		
GI Descrip.	'4587514/gb|AAD25745.1|AC007060_3 2.0e-74 (AC007060) Similar to WO8E3.3 gi_3880615 putative GTP-binding protein from C. elegans cosmid gb_Z92773. EST gb_AA597331 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102309	Strand	+
Start	176	End	3865
Name	OJ000315_26.0406.C11.o1.gs	Method	GENSCAN
Start	176	End	3865
GI	none	Score	.77
Exons	176..343, 426..549, 763..881, 939..1037, 1161..1274, 1875..1939, 2192..2213, 3185..3277, 3627..3677, 3767..3865		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102309	Strand	+
Start	176	End	3865
Name	OJ000315_26.0406.C11.o1.np	Method	AAT/NAP
Start	176	End	3862
GI	4587514	Score	1310
Exons	176..343, 426..549, 763..854, 939..1037, 1161..1274, 1875..1939, 2027..2142, 2553..2628, 3185..3277, 3627..3677, 3767..3862		
GI Descrip.	(AC007060) Similar to WO8E3.3 gi|3880615 putative GTP-binding protein from C. elegans cosmid gb|Z92773. EST gb|AA597331 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102309	Strand	+
Start	176	End	3865
Name	OJ000315_26.0406.C11.o1.gp	Method	AAT/GAP
Start	793	End	3811
GI	15492_1.R1084	Score	1098
Exons	793..854, 939..1037, 1161..1274, 1875..1939, 2027..2142, 2553..2628, 3185..3277, 3627..3677, 3767..3811		
GI Descrip.	'4587514/gb|AAD25745.1|AC007060_3 1.0e-100 (AC007060) Similar to WO8E3.3 gi_3880615 putative GTP-binding protein from C. elegans cosmid gb_Z92773. EST gb_AA597331 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102310	Strand	+
Start	5889	End	6047
Name	OJ000315_26.0406.C11.o3.gs	Method	GENSCAN
Start	5889	End	6047
GI	none	Score	.99
Exons	5889..6047		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102311	Strand	+
Start	14603	End	15911

Name	OJ000315_26.0406.C11.o3.np	Method	AAT/NAP
Start	14603	End	15911
GI	5777617	Score	67
Exons	14603..14637, 15814..15911		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102312	Strand	-
Start	4424	End	6639
Name	OJ000315_26.0406.C11.o2.gs	Method	GENSCAN
Start	4424	End	5563
GI	none	Score	.86
Exons	4424..5563		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102312	Strand	-
Start	4424	End	6639
Name	OJ000315_26.0406.C11.o2.np	Method	AAT/NAP
Start	4436	End	6639
GI	6957725	Score	885
Exons	4436..5481, 6615..6639		
GI Descrip.	(AC021640) putative stearoyl-acyl carrier protein desaturase [Arabidopsis thaliana]		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102312	Strand	-
Start	4424	End	6639
Name	OJ000315_26.0406.C11.o2.gp	Method	AAT/GAP
Start	5785	End	6068
GI	569110	Score	526
Exons	5785..6068		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102313	Strand	-
Start	16679	End	17322
Name	OJ000315_26.0406.C11.o4.np	Method	AAT/NAP
Start	16679	End	17322
GI	6016690	Score	317
Exons	16679..16787, 16909..17322		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102314	Strand	-
Start	17497	End	18162
Name	OJ000315_26.0406.C11.o2.tm	Method	TBLASTX:Maize
Start	151	End	3870
GI	none	Score	291
Exons	151..294, 176..346, 176..346, 178..357, 243..359, 423..557, 423..542, 424..543, 425..565, 759..869, 765..854, 800..859, 933..1040, 936..1034, 937..1047, 938..1048, 1155..1277, 1158..1283, 1159..1281, 1160..1282, 1875..1940, 1916..1939, 2039..2137, 2039..2140, 2041..2142, 2044..2142, 2551..2631, 2554..2631, 3177..3278, 3182..3283, 3184..3279, 3544..3576, 3626..3676, 3627..3677, 3757..3870, 3766..3864		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102314	Strand	-

Start	17497	End	18162
Name	OJ000315_26.0406.C11.o2.ts	Method	TBLASTX:Soybean
Start	168	End	3864
GI	none	Score	87
Exons	168..344, 175..294, 176..355, 240..347, 423..557, 425..574, 425..571, 759..869, 765..854, 915..1055, 1136..1282, 1158..1283, 1875..1940, 2039..2134, 2043..2123, 2044..2136, 2551..2631, 2565..2630, 3182..3283, 3184..3279, 3611..3676, 3627..3677, 3757..3864, 3767..3826		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102314	Strand	-
Start	17497	End	18162
Name	OJ000315_26.0406.C11.o2.tc	Method	TBLASTX:Cress
Start	175	End	538
GI	none	Score	278
Exons	175..294, 176..355, 176..400, 423..536, 431..538, 442..537		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102314	Strand	-
Start	17497	End	18162
Name	OJ000315_26.0406.C11.o1.tw	Method	TBLASTX:Wheat
Start	458	End	1916
GI	none	Score	141
Exons	458..556, 459..557, 762..869, 765..854, 915..1055, 933..1034, 937..1038, 938..1039, 1158..1283, 1160..1276, 1875..1916		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102314	Strand	-
Start	17497	End	18162
Name	OJ000315_26.0406.C11.o3.tc	Method	TBLASTX:Cress
Start	3611	End	3867
GI	none	Score	70
Exons	3611..3673, 3627..3677, 3766..3867, 3767..3826		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102314	Strand	-
Start	17497	End	18162
Name	OJ000315_26.0406.C11.o1.ts	Method	TBLASTX:Soybean
Start	4433	End	5449
GI	none	Score	100
Exons	4433..4519, 4505..4606, 4601..4912, 4641..4877, 4904..5326, 4929..5327, 5324..5449, 5325..5369		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102314	Strand	-
Start	17497	End	18162
Name	OJ000315_26.0406.C11.o2.tw	Method	TBLASTX:Wheat
Start	4451	End	14124
GI	none	Score	44
Exons	4451..4591, 4553..4591, 4592..4681, 4592..4837, 4641..4838, 14008..14124		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102314	Strand	-
Start	17497	End	18162
Name	OJ000315_26.0406.C11.o1.tm	Method	TBLASTX:Maize

Start	4475	End	5461
GI	none	Score	97
Exons	4475..4594, 4601..4912, 4641..4874, 4922..5326, 4929..5327, 5331..5372, 5339..5461		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102314	Strand	-
Start	17497	End	18162
Name	OJ000315_26.0406.C11.o1.tc	Method	TBLASTX:Cress
Start	4502	End	5461
GI	none	Score	87
Exons	4502..4594, 4601..4912, 4641..4874, 4904..5326, 4929..5327, 5324..5461, 5325..5369		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102314	Strand	-
Start	17497	End	18162
Name	OJ000315_26.0406.C11.o3.ts	Method	TBLASTX:Soybean
Start	16640	End	17271
GI	none	Score	93
Exons	16640..16786, 16661..16783, 16908..16958, 16954..17097, 17197..17271		

Seq. No.	48073	Seq. ID	OJ000315_26.0406.C11
Gene No.	102314	Strand	-
Start	17497	End	18162
Name	OJ000315_26.0406.C11.o5.np	Method	AAT/NAP
Start	17497	End	18162
GI	5777617	Score	76
Exons	17497..17615, 17978..18162		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	48074	Seq. ID	OJ000315_12.0412.C2
Gene No.	102315	Strand	+
Start	1	End	1546
Name	OJ000315_12.0412.C2.o1.np	Method	AAT/NAP
Start	1	End	1543
GI	7441408	Score	247
Exons	1..74, 314..370, 544..600, 702..793, 1359..1543		
GI Descrip.	myosin-like protein my4 - common sunflower gi|2444178|gb|AAB71528.1| (U94784) unconventional myosin [Helianthus annuus]		

Seq. No.	48074	Seq. ID	OJ000315_12.0412.C2
Gene No.	102315	Strand	+
Start	1	End	1546
Name	OJ000315_12.0412.C2.o1.gs	Method	GENSCAN
Start	544	End	1546
GI	none	Score	.67
Exons	544..600, 702..782, 946..1064, 1432..1546		

Seq. No.	48074	Seq. ID	OJ000315_12.0412.C2
Gene No.	102316	Strand	+
Start	2989	End	3977
Name	OJ000315_12.0412.C2.o3.np	Method	AAT/NAP
Start	2989	End	3977
GI	6630699	Score	80

Exons	2989..3060, 3686..3977		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	48074	Seq. ID	OJ000315_12.0412.C2
Gene No.	102317	Strand	+
Start	8979	End	9266
Name	OJ000315_12.0412.C2.o4.gs	Method	GENSCAN
Start	8979	End	9266
GI	none	Score	.71
Exons	8979..9266		
Seq. No.	48074	Seq. ID	OJ000315_12.0412.C2
Gene No.	102318	Strand	-
Start	1973	End	3082
Name	OJ000315_12.0412.C2.o2.gs	Method	GENSCAN
Start	1973	End	3082
GI	none	Score	.56
Exons	1973..3082		
Seq. No.	48074	Seq. ID	OJ000315_12.0412.C2
Gene No.	102318	Strand	-
Start	1973	End	3082
Name	OJ000315_12.0412.C2.o2.np	Method	AAT/NAP
Start	2000	End	3067
GI	5031283	Score	739
Exons	2000..3067		
GI Descrip.	(AF139500) unknown [Prunus armeniaca]		
Seq. No.	48074	Seq. ID	OJ000315_12.0412.C2
Gene No.	102319	Strand	-
Start	3836	End	9735
Name	OJ000315_12.0412.C2.o2.tm	Method	TBLASTX:Maize
Start	306	End	1546
GI	none	Score	64
Exons	306..371, 311..391, 313..372, 540..596, 543..602, 544..603, 544..603, 704..784, 704..745, 705..785, 708..782, 1429..1542, 1430..1546, 1442..1543		
Seq. No.	48074	Seq. ID	OJ000315_12.0412.C2
Gene No.	102319	Strand	-
Start	3836	End	9735
Name	OJ000315_12.0412.C2.o1.tc	Method	TBLASTX:Cress
Start	2000	End	2737
GI	none	Score	88
Exons	2000..2086, 2150..2185, 2186..2320, 2187..2297, 2342..2440, 2630..2737		
Seq. No.	48074	Seq. ID	OJ000315_12.0412.C2
Gene No.	102319	Strand	-
Start	3836	End	9735
Name	OJ000315_12.0412.C2.o1.ts	Method	TBLASTX:Soybean
Start	2000	End	3026
GI	none	Score	92
Exons	2000..2089, 2150..2176, 2195..2311, 2202..2303, 2306..2431, 2531..2596, 2600..2854, 2637..2849, 2942..3019, 2943..3026		

Seq. No.	48074	Seq. ID	OJ000315_12.0412.C2
Gene No.	102319	Strand	-
Start	3836	End	9735
Name	OJ000315_12.0412.C2.o1.tm	Method	TBLASTX:Maize
Start	2024	End	3035
GI	none	Score	108
Exons	2024..2089, 2180..2296, 2181..2297, 2331..2393, 2345..2431, 2399..2431, 2531..2596, 2585..2722, 2630..2710, 2741..2818, 2945..3019, 2946..3035		

Seq. No.	48074	Seq. ID	OJ000315_12.0412.C2
Gene No.	102319	Strand	-
Start	3836	End	9735
Name	OJ000315_12.0412.C2.o1.tw	Method	TBLASTX:Wheat
Start	2541	End	5726
GI	none	Score	55
Exons	2541..2600, 2546..2602, 2582..2692, 2690..2941, 2702..2842, 2721..2942, 2933..3019, 2940..3041, 3012..3041, 5523..5615, 5643..5726		

Seq. No.	48074	Seq. ID	OJ000315_12.0412.C2
Gene No.	102319	Strand	-
Start	3836	End	9735
Name	OJ000315_12.0412.C2.o4.np	Method	AAT/NAP
Start	3836	End	6584
GI	6069653	Score	833
Exons	3836..3863, 4500..5433, 5586..6584		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	48074	Seq. ID	OJ000315_12.0412.C2
Gene No.	102319	Strand	-
Start	3836	End	9735
Name	OJ000315_12.0412.C2.o5.np	Method	AAT/NAP
Start	6162	End	9735
GI	5777623	Score	1072
Exons	6162..6208, 7725..7982, 8781..9289, 9468..9735		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102320	Strand	+
Start	456	End	830
Name	OJ000315_12.0412.C3.o1.gs	Method	GENSCAN
Start	456	End	830
GI	none	Score	.56
Exons	456..555, 731..830		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102321	Strand	+
Start	1316	End	1740
Name	OJ000315_12.0412.C3.o1.gp	Method	AAT/GAP
Start	1316	End	1740
GI	4878407	Score	654
Exons	1316..1740		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102322	Strand	+
Start	7818	End	9564
Name	OJ000315_12.0412.C3.o3.np	Method	AAT/NAP
Start	7818	End	9564
GI	4432818	Score	322
Exons	7818..7840, 8981..9329, 9404..9564		
GI Descrip.	(AC006593) ethylene reponse factor-like AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102322	Strand	+
Start	7818	End	9564
Name	OJ000315_12.0412.C3.o3.gs	Method	GENSCAN
Start	8798	End	9358
GI	none	Score	.64
Exons	8798..9205, 9239..9358		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102323	Strand	+
Start	12043	End	12458
Name	OJ000315_12.0412.C3.o2.gp	Method	AAT/GAP
Start	12043	End	12458
GI	none	Score	667
Exons	12043..12458		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102324	Strand	+
Start	16337	End	16701
Name	OJ000315_12.0412.C3.o4.gp	Method	AAT/GAP
Start	16337	End	16701
GI	none	Score	657
Exons	16337..16701		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102325	Strand	+
Start	20823	End	24468
Name	OJ000315_12.0412.C3.o6.np	Method	AAT/NAP
Start	20519	End	21092
GI	7447301	Score	492
Exons	20519..21092		
GI Descrip.	glutathione transferase (EC 2.5.1.18) - rice gi|2944088|gb|AAC05216.1| (AF050102) glutathione s-transferase [Oryza sativa]		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102325	Strand	+
Start	20823	End	24468
Name	OJ000315_12.0412.C3.o6.gs	Method	GENSCAN
Start	20823	End	24468
GI	none	Score	.48
Exons	20823..20946, 21964..22206, 22274..22431, 22629..22702, 22873..22927, 22986..23078, 23162..23235, 24390..24468		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102325	Strand	+
Start	20823	End	24468

Name	OJ000315_12.0412.C3.o7.np	Method	AAT/NAP
Start	22330	End	24433
GI	6513925	Score	353
Exons	22330..22467, 22629..22702, 22873..22927, 23004..23078, 23162..23235, 23326..23374, 23921..24005, 24242..24298, 24390..24433		
GI Descrip.	(AC011664) unknown protein [Arabidopsis thaliana]		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102325	Strand	+
Start	20823	End	24468
Name	OJ000315_12.0412.C3.o6.gp	Method	AAT/GAP
Start	23312	End	23716
GI	2309861	Score	748
Exons	23312..23716		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102326	Strand	-
Start	1	End	7532
Name	OJ000315_12.0412.C3.o1.np	Method	AAT/NAP
Start	1	End	4360
GI	4680186	Score	404
Exons	1..78, 1131..1287, 1894..2044, 4326..4360		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102326	Strand	-
Start	1	End	7532
Name	OJ000315_12.0412.C3.o2.gs	Method	GENSCAN
Start	2484	End	7532
GI	none	Score	.54
Exons	2484..2639, 3034..3160, 3754..3866, 4204..4367, 4678..4702, 4753..4894, 4987..5069, 5219..5460, 6878..6905, 7515..7532		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102326	Strand	-
Start	1	End	7532
Name	OJ000315_12.0412.C3.o2.np	Method	AAT/NAP
Start	2511	End	4937
GI	5922620	Score	414
Exons	2511..2641, 3754..4117, 4689..4852, 4890..4937		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102327	Strand	-
Start	10715	End	15739
Name	OJ000315_12.0412.C3.o4.gs	Method	GENSCAN
Start	10715	End	15739
GI	none	Score	.69
Exons	10715..10746, 11102..11195, 12864..13043, 14340..14680, 14695..14819, 15166..15307, 15387..15530, 15616..15739		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3

Gene No.	102327	Strand	-
Start	10715	End	15739
Name	OJ000315_12.0412.C3.o3.gp	Method	AAT/GAP
Start	14452	End	15025
GI	LIB3475-005-P1-K1-B10	Score	772
Exons	14452..14819, 14946..15025		
GI Descrip.	'4512694/gb|AAD21747.1| 5.0e-14 (AC006569) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102327	Strand	-
Start	10715	End	15739
Name	OJ000315_12.0412.C3.o4.np	Method	AAT/NAP
Start	14597	End	15730
GI	4512694	Score	372
Exons	14597..14819, 14946..15005, 15240..15307, 15616..15730		
GI Descrip.	(AC006569) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102328	Strand	-
Start	16439	End	19126
Name	OJ000315_12.0412.C3.o6.tm	Method	TBLASTX:Maize
Start	2288	End	2522
GI	none	Score	129
Exons	2288..2410, 2300..2407, 2307..2408, 2407..2514, 2409..2522, 2409..2513, 2411..2521		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102328	Strand	-
Start	16439	End	19126
Name	OJ000315_12.0412.C3.o2.tc	Method	TBLASTX:Cress
Start	9020	End	9414
GI	none	Score	222
Exons	9020..9220, 9028..9207, 9236..9268, 9236..9286, 9355..9414		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102328	Strand	-
Start	16439	End	19126
Name	OJ000315_12.0412.C3.o5.ts	Method	TBLASTX:Soybean
Start	9023	End	9202
GI	none	Score	194
Exons	9023..9202, 9028..9201		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102328	Strand	-
Start	16439	End	19126
Name	OJ000315_12.0412.C3.o7.tm	Method	TBLASTX:Maize
Start	9023	End	9223
GI	none	Score	186
Exons	9023..9223, 9025..9222		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102328	Strand	-
Start	16439	End	19126
Name	OJ000315_12.0412.C3.o1.tm	Method	TBLASTX:Maize
Start	14475	End	15532
GI	none	Score	76

Exons	14475..14618, 14479..14535, 14534..14560, 14627..14677, 14690..14800, 14694..14822, 14695..14820, 14699..14821, 14936..15007, 14943..15029, 14946..15008, 14950..15009, 15115..15165, 15116..15166, 15237..15311, 15238..15309, 15394..15465, 15401..15466, 15466..15531, 15467..15532		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102328	Strand	-
Start	16439	End	19126
Name	OJ000315_12.0412.C3.o1.ts	Method	TBLASTX:Soybean
Start	15255	End	15713
GI	none	Score	58
Exons	15255..15329, 15256..15309, 15394..15531, 15401..15550, 15614..15712, 15615..15713		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102328	Strand	-
Start	16439	End	19126
Name	OJ000315_12.0412.C3.o4.tm	Method	TBLASTX:Maize
Start	16436	End	16625
GI	none	Score	64
Exons	16436..16492, 16440..16490, 16446..16616, 16525..16617, 16526..16621, 16527..16625		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102328	Strand	-
Start	16439	End	19126
Name	OJ000315_12.0412.C3.o5.gs	Method	GENSCAN
Start	16439	End	18871
GI	none	Score	.49
Exons	16439..16753, 16833..16952, 17026..17169, 17272..17371, 17482..18230, 18304..18453, 18535..18585, 18746..18871		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102328	Strand	-
Start	16439	End	19126
Name	OJ000315_12.0412.C3.o5.np	Method	AAT/NAP
Start	16442	End	17910
GI	4006868	Score	347
Exons	16442..16753, 16833..16934, 17011..17169, 17272..17371, 17482..17576, 17768..17910		
GI Descrip.	(Z99707) putative protein [Arabidopsis thaliana]		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102328	Strand	-
Start	16439	End	19126
Name	OJ000315_12.0412.C3.o5.tm	Method	TBLASTX:Maize
Start	16825	End	17100
GI	none	Score	39
Exons	16825..16851, 16848..16925, 16851..16925, 16855..16938, 16856..16939, 16914..16955, 16914..16955, 17014..17094, 17021..17095, 17023..17100		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102328	Strand	-
Start	16439	End	19126
Name	OJ000315_12.0412.C3.o4.ts	Method	TBLASTX:Soybean

Start	16872	End	17615
GI	none	Score	74
Exons	16872..16943, 17044..17178, 17264..17347, 17272..17373, 17475..17615, 17506..17604		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102328	Strand	-
Start	16439	End	19126
Name	OJ000315_12.0412.C3.o5.gp	Method	AAT/GAP
Start	18297	End	19126
GI	none	Score	1074
Exons	18297..18453, 18535..18585, 18746..19126		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102329	Strand	
Start	20532	End	21104
Name	OJ000315_12.0412.C3.o1.tc	Method	TBLASTX:Cress
Start	20532	End	21101
GI	none	Score	55
Exons	20532..20582, 20580..20600, 20709..20855, 20723..20809, 20865..21083, 20868..21101		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102329	Strand	
Start	20532	End	21104
Name	OJ000315_12.0412.C3.o2.ts	Method	TBLASTX:Soybean
Start	20532	End	21104
GI	none	Score	56
Exons	20532..20582, 20580..20600, 20709..20849, 20865..21104		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102329	Strand	
Start	20532	End	21104
Name	OJ000315_12.0412.C3.o2.tm	Method	TBLASTX:Maize
Start	20700	End	21095
GI	none	Score	128
Exons	20700..20855, 20798..21094, 20865..21095		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102330	Strand	
Start	22641	End	24433
Name	OJ000315_12.0412.C3.o3.ts	Method	TBLASTX:Soybean
Start	22641	End	24433
GI	none	Score	70
Exons	22641..22703, 22865..22927, 23001..23081, 23003..23083, 23153..23236, 23311..23373, 23321..23371, 23920..24009, 23921..24004, 24240..24296, 24241..24297, 24241..24297, 24245..24304, 24410..24433		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102330	Strand	
Start	22641	End	24433
Name	OJ000315_12.0412.C3.o3.tc	Method	TBLASTX:Cress
Start	22865	End	23992
GI	none	Score	77
Exons	22865..22927, 23001..23081, 23153..23236, 23315..23371, 23329..23370, 23918..23992		

Seq. No.	48075	Seq. ID	OJ000315_12.0412.C3
Gene No.	102330	Strand	
Start	22641	End	24433
Name	OJ000315_12.0412.C3.o3.tm	Method	TBLASTX:Maize
Start	22883	End	24297
GI	none	Score	64
Exons	22883..22927, 22983..23078, 23001..23081, 23003..23080, 23162..23230, 23165..23236, 23167..23235, 23172..23237, 23311..23373, 23315..23374, 23336..23374, 23920..24015, 23921..24004, 23925..24008, 24240..24287, 24240..24296, 24241..24297		

Seq. No.	48076	Seq. ID	OJ000315_12.0412.C4
Gene No.	102331	Strand	+
Start	2005	End	2837
Name	OJ000315_12.0412.C4.o1.gs	Method	GENSCAN
Start	2005	End	2837
GI	none	Score	.84
Exons	2005..2012, 2033..2419, 2495..2837		

Seq. No.	48076	Seq. ID	OJ000315_12.0412.C4
Gene No.	102332	Strand	+
Start	3523	End	4788
Name	OJ000315_12.0412.C4.o2.gs	Method	GENSCAN
Start	3523	End	4788
GI	none	Score	.65
Exons	3523..4788		

Seq. No.	48076	Seq. ID	OJ000315_12.0412.C4
Gene No.	102333	Strand	+
Start	5451	End	6885
Name	OJ000315_12.0412.C4.o3.gs	Method	GENSCAN
Start	5451	End	6885
GI	none	Score	.45
Exons	5451..5801, 5954..6068, 6150..6231, 6437..6488, 6584..6638, 6684..6885		

Seq. No.	48077	Seq. ID	OJ000315_12.0412.C5
Gene No.	102334	Strand	-
Start	1	End	2238
Name	OJ000315_12.0412.C5.o1.np	Method	AAT/NAP
Start	1	End	2238
GI	7485695	Score	667
Exons	1..41, 649..2238		
GI Descrip.	hypothetical protein F18A5.40 - Arabidopsis thaliana gi|4455294|emb|CAB36829.1| (AL035528) putative protein [Arabidopsis thaliana] gi|7268069|emb|CAB78407.1| (AL161537) putative protein [Arabidopsis thaliana]		

Seq. No.	48077	Seq. ID	OJ000315_12.0412.C5
Gene No.	102334	Strand	-
Start	1	End	2238
Name	OJ000315_12.0412.C5.o1.gs	Method	GENSCAN
Start	685	End	2181
GI	none	Score	.93
Exons	685..2181		

Seq. No.	48077	Seq. ID	OJ000315_12.0412.C5
Gene No.	102334	Strand	-
Start	1	End	2238
Name	OJ000315_12.0412.C5.o1.tc	Method	TBLASTX:Cress
Start	724	End	1992
GI	none	Score	76
Exons	724..1074, 830..1042, 1537..1680, 1771..1992		

Seq. No.	48077	Seq. ID	OJ000315_12.0412.C5
Gene No.	102334	Strand	-
Start	1	End	2238
Name	OJ000315_12.0412.C5.o1.tm	Method	TBLASTX:Maize
Start	790	End	2148
GI	none	Score	85
Exons	790..1038, 799..1035, 1051..1179, 1091..1195, 1708..1845, 1792..1959, 1999..2148		

Seq. No.	48077	Seq. ID	OJ000315_12.0412.C5
Gene No.	102334	Strand	-
Start	1	End	2238
Name	OJ000315_12.0412.C5.o1.ts	Method	TBLASTX:Soybean
Start	793	End	2073
GI	none	Score	87
Exons	793..1143, 830..1135, 1819..2073		

Seq. No.	48077	Seq. ID	OJ000315_12.0412.C5
Gene No.	102334	Strand	-
Start	1	End	2238
Name	OJ000315_12.0412.C5.o1.tw	Method	TBLASTX:Wheat
Start	814	End	2208
GI	none	Score	64
Exons	814..1029, 814..1290, 824..1093, 1480..1689, 1708..1899, 1786..2208		

Seq. No.	48078	Seq. ID	OJ000315_12.0412.C6
Gene No.	102335	Strand	+
Start	658	End	830
Name	OJ000315_12.0412.C6.o1.gp	Method	AAT/GAP
Start	658	End	830
GI	none	Score	292
Exons	658..830		

Seq. No.	48078	Seq. ID	OJ000315_12.0412.C6
Gene No.	102336	Strand	-
Start	892	End	3179
Name	OJ000315_12.0412.C6.o1.gs	Method	GENSCAN
Start	892	End	3008
GI	none	Score	.91
Exons	892..1177, 1262..1380, 2368..2543, 2619..3008		

Seq. No.	48078	Seq. ID	OJ000315_12.0412.C6
Gene No.	102336	Strand	-
Start	892	End	3179
Name	OJ000315_12.0412.C6.o1.np	Method	AAT/NAP
Start	1030	End	3179
GI	7452420	Score	177

Exons	1030..1177, 2383..2573, 2608..2897, 3129..3179		
GI Descrip.	hypothetical protein A_TM018A10.10 - Arabidopsis thaliana gi|2252871|gb|AAB62869.1| (AF013294) A_TM018A10.10 gene product [Arabidopsis thaliana]		
Seq. No.	48078	Seq. ID	OJ000315_12.0412.C6
Gene No.	102336	Strand	-
Start	892	End	3179
Name	OJ000315_12.0412.C6.o1.tc	Method	TBLASTX:Cress
Start	1288	End	2913
GI	none	Score	67
Exons	1288..1371, 1289..1363, 2374..2418, 2439..2549, 2464..2544, 2620..2733, 2627..2737, 2707..2913		
Seq. No.	48078	Seq. ID	OJ000315_12.0412.C6
Gene No.	102336	Strand	-
Start	892	End	3179
Name	OJ000315_12.0412.C6.o2.gp	Method	AAT/GAP
Start	2458	End	3021
GI	21176_1.R1084	Score	875
Exons	2458..2543, 2619..3021		
GI Descrip.	'2252871 1.0e-19 (AF013294) No definition line found [Arabidopsis thaliana]'		
Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102337	Strand	+
Start	135	End	16168
Name	OJ000315_12.0412.C7.o1.gs	Method	GENSCAN
Start	135	End	11706
GI	none	Score	.59
Exons	135..359, 509..562, 1230..1379, 2664..2773, 3299..3588, 3786..3883, 3994..4097, 4207..4491, 9279..9404, 11394..11583, 11632..11706		
Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102337	Strand	+
Start	135	End	16168
Name	OJ000315_12.0412.C7.o1.np	Method	AAT/NAP
Start	294	End	4798
GI	7445063	Score	340
Exons	294..386, 509..562, 1230..1391, 2624..2711, 3786..3883, 4021..4097, 4207..4352, 4401..4491, 4636..4798		
GI Descrip.	ycea hypothetical protein - Chlamydia pneumoniae (strain CWL029) gi|4377040|gb|AAD18873.1| (AE001655) YceA hypothetical protein [Chlamydophila pneumoniae] gi|7188951|gb|AAF37908.1| (AE002165) conserved hypothetical protein [Chlamydophila pneumoniae AR39]		
Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102337	Strand	+
Start	135	End	16168
Name	OJ000315_12.0412.C7.o1.gp	Method	AAT/GAP
Start	4111	End	4670
GI	4878485	Score	786
Exons	4111..4491, 4636..4670		
Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102337	Strand	+

Start	135	End	16168
Name	OJ000315_12.0412.C7.o2.gp	Method	AAT/GAP
Start	4736	End	4991
GI	702824	Score	489
Exons	4736..4991		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102337	Strand	+
Start	135	End	16168
Name	OJ000315_12.0412.C7.o3.np	Method	AAT/NAP
Start	8365	End	9536
GI	4539658	Score	197
Exons	8365..8430, 8703..8827, 9380..9536		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102337	Strand	+
Start	135	End	16168
Name	OJ000315_12.0412.C7.o2.np	Method	AAT/NAP
Start	8703	End	14606
GI	4539658	Score	196
Exons	8703..8827, 9380..9547, 14560..14606		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102337	Strand	+
Start	135	End	16168
Name	OJ000315_12.0412.C7.o3.gp	Method	AAT/GAP
Start	9570	End	9820
GI	LIB3475-004-P1-K2-A5	Score	418
Exons	9570..9820		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102337	Strand	+
Start	135	End	16168
Name	OJ000315_12.0412.C7.o4.np	Method	AAT/NAP
Start	9859	End	11203
GI	6630699	Score	76
Exons	9859..9880, 11119..11203		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102337	Strand	+
Start	135	End	16168
Name	OJ000315_12.0412.C7.o3.gs	Method	GENSCAN
Start	13978	End	16168
GI	none	Score	.52
Exons	13978..14482, 14587..14977, 15164..15232, 15784..16168		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102337	Strand	+

Start	135	End	16168
Name	OJ000315_12.0412.C7.o6.np	Method	AAT/NAP
Start	14074	End	15245
GI	4097547	Score	371
Exons	14074..14482, 14587..14956, 15047..15113, 15198..15245		
GI Descrip.	(U64906) ATFP3 [Arabidopsis thaliana]		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102338	Strand	-
Start	11341	End	13214
Name	OJ000315_12.0412.C7.o5.np	Method	AAT/NAP
Start	11341	End	13111
GI	5922620	Score	137
Exons	11341..11500, 13078..13111		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102338	Strand	-
Start	11341	End	13214
Name	OJ000315_12.0412.C7.o2.gs	Method	GENSCAN
Start	12326	End	13214
GI	none	Score	.91
Exons	12326..12467, 12992..13060, 13162..13214		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102339	Strand	-
Start	16504	End	16901
Name	OJ000315_12.0412.C7.o1.ts	Method	TBLASTX:Soybean
Start	302	End	4326
GI	none	Score	87
Exons	302..382, 303..389, 506..547, 508..546, 1221..1385, 1229..1375, 4205..4324, 4213..4326		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102339	Strand	-
Start	16504	End	16901
Name	OJ000315_12.0412.C7.o1.tm	Method	TBLASTX:Maize
Start	1245	End	4065
GI	none	Score	200
Exons	1245..1379, 1245..1379, 1246..1380, 2651..2725, 2653..2709, 2655..2735, 2661..2723, 2736..2771, 3782..3868, 3784..3867, 3786..3884, 3992..4060, 4005..4058, 4005..4064, 4006..4065		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102339	Strand	-
Start	16504	End	16901
Name	OJ000315_12.0412.C7.o1.tw	Method	TBLASTX:Wheat
Start	4000	End	4494
GI	none	Score	156
Exons	4000..4095, 4008..4094, 4011..4118, 4021..4101, 4208..4276, 4210..4254, 4217..4480, 4262..4330, 4276..4335, 4284..4352, 4405..4494, 4414..4494		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102339	Strand	-
Start	16504	End	16901
Name	OJ000315_12.0412.C7.o1.tc	Method	TBLASTX:Cress
Start	14095	End	14705
GI	none	Score	102
Exons	14095..14310, 14122..14310, 14130..14312, 14338..14382, 14365..14397, 14401..14484, 14403..14486, 14416..14484, 14585..14704, 14586..14705		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102339	Strand	-
Start	16504	End	16901
Name	OJ000315_12.0412.C7.o2.ts	Method	TBLASTX:Soybean
Start	14119	End	14705
GI	none	Score	84
Exons	14119..14244, 14122..14310, 14251..14484, 14586..14705		

Seq. No.	48079	Seq. ID	OJ000315_12.0412.C7
Gene No.	102339	Strand	-
Start	16504	End	16901
Name	OJ000315_12.0412.C7.o4.gs	Method	GENSCAN
Start	16504	End	16901
GI	none	Score	.71
Exons	16504..16584, 16824..16901		

Seq. No.	48080	Seq. ID	OJ000315_12.0412.C8
Gene No.	102340	Strand	-
Start	1703	End	2566
Name	OJ000315_12.0412.C8.o1.gs	Method	GENSCAN
Start	1703	End	2545
GI	none	Score	1
Exons	1703..2545		

Seq. No.	48080	Seq. ID	OJ000315_12.0412.C8
Gene No.	102340	Strand	-
Start	1703	End	2566
Name	OJ000315_12.0412.C8.o1.np	Method	AAT/NAP
Start	1715	End	2566
GI	7441249	Score	888
Exons	1715..2566		
GI Descrip.	probable plasma membrane intrinsic protein - rice gi|3135543|gb|AAC16545.1| (AF062393) aquaporin [Oryza sativa]		

Seq. No.	48080	Seq. ID	OJ000315_12.0412.C8
Gene No.	102341	Strand	-
Start	3084	End	7736
Name	OJ000315_12.0412.C8.o1.tc	Method	TBLASTX:Cress
Start	1730	End	2530
GI	none	Score	211
Exons	1730..1846, 1862..2101, 1869..2045, 2144..2353, 2148..2354, 2337..2477, 2339..2530		

Seq. No.	48080	Seq. ID	OJ000315_12.0412.C8
Gene No.	102341	Strand	-
Start	3084	End	7736
Name	OJ000315_12.0412.C8.o1.ts	Method	TBLASTX:Soybean

Start	1730	End	2512
GI	none	Score	52
Exons	1730..1843, 1755..1844, 1862..2056, 1869..2045, 2147..2350, 2148..2351, 2360..2512, 2363..2458		

Seq. No.	48080	Seq. ID	OJ000315_12.0412.C8
Gene No.	102341	Strand	-
Start	3084	End	7736
Name	OJ000315_12.0412.C8.o1.tw	Method	TBLASTX:Wheat
Start	1730	End	2542
GI	none	Score	38
Exons	1730..1807, 1805..1843, 1806..1844, 1862..2101, 1869..2045, 2054..2134, 2147..2350, 2148..2351, 2276..2365, 2360..2542, 2363..2479		

Seq. No.	48080	Seq. ID	OJ000315_12.0412.C8
Gene No.	102341	Strand	-
Start	3084	End	7736
Name	OJ000315_12.0412.C8.o1.tm	Method	TBLASTX:Maize
Start	1730	End	2512
GI	none	Score	75
Exons	1730..1843, 1754..1831, 1862..2101, 1869..2045, 2144..2353, 2148..2354, 2276..2365, 2342..2512, 2360..2455, 2376..2477, 2395..2511		

Seq. No.	48080	Seq. ID	OJ000315_12.0412.C8
Gene No.	102341	Strand	-
Start	3084	End	7736
Name	OJ000315_12.0412.C8.o2.gs	Method	GENSCAN
Start	3084	End	7727
GI	none	Score	.63
Exons	3084..3179, 3320..3386, 3584..3879, 4952..5012, 5058..5126, 6044..6070, 6229..6280, 7370..7727		

Seq. No.	48080	Seq. ID	OJ000315_12.0412.C8
Gene No.	102341	Strand	-
Start	3084	End	7736
Name	OJ000315_12.0412.C8.o1.gp	Method	AAT/GAP
Start	4729	End	7606
GI	21187_1.R1084	Score	1079
Exons	4729..5012, 5297..5350, 7370..7606		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	48080	Seq. ID	OJ000315_12.0412.C8
Gene No.	102341	Strand	-
Start	3084	End	7736
Name	OJ000315_12.0412.C8.o2.tm	Method	TBLASTX:Maize
Start	4831	End	7736
GI	none	Score	34
Exons	4831..4857, 4952..4978, 4955..4978, 4971..5015, 4976..5014, 5065..5094, 5302..5373, 7359..7400, 7360..7404, 7407..7496, 7408..7515, 7510..7575, 7512..7580, 7513..7581, 7615..7731, 7622..7720, 7623..7730, 7629..7736		

Seq. No.	48081	Seq. ID	OJ000315_12.0412.C9
Gene No.	102342	Strand	-

Start	7	End	2569
Name	OJ000315_12.0412.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	713
GI	none	Score	60
Exons	1..51, 2..73, 3..68, 65..205, 294..533, 327..713, 329..688,	152..703, 606..704	158..286, 271..528,

Seq. No.	48081	Seq. ID	OJ000315_12.0412.C9
Gene No.	102342	Strand	-
Start	7	End	2569
Name	OJ000315_12.0412.C9.o1.gs	Method	GENSCAN
Start	7	End	2569
GI	none	Score	.71
Exons	7..1443, 1763..1974, 2417..2569		

Seq. No.	48081	Seq. ID	OJ000315_12.0412.C9
Gene No.	102342	Strand	-
Start	7	End	2569
Name	OJ000315_12.0412.C9.o1.tw	Method	TBLASTX:Wheat
Start	203	End	670
GI	none	Score	86
Exons	203..286, 203..460, 205..441, 458..670	332..442,	438..536, 440..670,

Seq. No.	48081	Seq. ID	OJ000315_12.0412.C9
Gene No.	102342	Strand	-
Start	7	End	2569
Name	OJ000315_12.0412.C9.o2.tm	Method	TBLASTX:Maize
Start	793	End	1191
GI	none	Score	195
Exons	793..1182, 794..1189, 799..1191, 1002..1190		

Seq. No.	48082	Seq. ID	OJ000315_12.0412.C10
Gene No.	102343	Strand	+
Start	2525	End	2880
Name	OJ000315_12.0412.C10.o2.gp	Method	AAT/GAP
Start	2434	End	2880
GI	75345_1.R1084	Score	846
Exons	2434..2880		
GI Descrip.	'2914703 7.0e-25 (AC003974) unknown protein [Arabidopsis thaliana]'		

Seq. No.	48082	Seq. ID	OJ000315_12.0412.C10
Gene No.	102343	Strand	+
Start	2525	End	2880
Name	OJ000315_12.0412.C10.o2.gs	Method	GENSCAN
Start	2525	End	2827
GI	none	Score	.53
Exons	2525..2827		

Seq. No.	48082	Seq. ID	OJ000315_12.0412.C10
Gene No.	102344	Strand	-
Start	1	End	1262
Name	OJ000315_12.0412.C10.o1.np	Method	AAT/NAP
Start	1	End	1262
GI	3327870	Score	264
Exons	1..30, 462..552, 641..820, 1204..1262		

GI Descrip. (AB012913) COP1-Interacting ProteinI 7 (CIP7) [Arabidopsis thaliana]

Seq. No.	48082	Seq. ID	OJ000315_12.0412.C10
Gene No.	102344	Strand	-
Start	1	End	1262
Name	OJ000315_12.0412.C10.o1.gs	Method	GENSCAN
Start	139	End	1262
GI	none	Score	.87
Exons	139..333, 432..552, 641..820, 1204..1262		

Seq. No.	48082	Seq. ID	OJ000315_12.0412.C10
Gene No.	102345	Strand	-
Start	1269	End	1786
Name	OJ000315_12.0412.C10.o1.gp	Method	AAT/GAP
Start	1269	End	1786
GI	none	Score	992
Exons	1269..1786		

Seq. No.	48082	Seq. ID	OJ000315_12.0412.C10
Gene No.	102346	Strand	-
Start	2901	End	5554
Name	OJ000315_12.0412.C10.o2.tm	Method	TBLASTX:Maize
Start	403	End	1284
GI	none	Score	148
Exons	403..555, 411..554, 622..822, 632..802, 634..816, 635..829, 1198..1284, 1203..1262		

Seq. No.	48082	Seq. ID	OJ000315_12.0412.C10
Gene No.	102346	Strand	-
Start	2901	End	5554
Name	OJ000315_12.0412.C10.o2.tc	Method	TBLASTX:Cress
Start	439	End	1268
GI	none	Score	84
Exons	439..555, 468..554, 634..678, 694..816, 698..823, 1203..1268		

Seq. No.	48082	Seq. ID	OJ000315_12.0412.C10
Gene No.	102346	Strand	-
Start	2901	End	5554
Name	OJ000315_12.0412.C10.o3.gp	Method	AAT/GAP
Start	2901	End	3980
GI	5003128	Score	1073
Exons	2901..3360, 3859..3980		

GI Descrip. 4914452/emb|CAB43692.1| 1.0e-24 (AL050398) putative protein [Arabidopsis thaliana]

Seq. No.	48082	Seq. ID	OJ000315_12.0412.C10
Gene No.	102346	Strand	-
Start	2901	End	5554
Name	OJ000315_12.0412.C10.o1.tc	Method	TBLASTX:Cress
Start	3215	End	4230
GI	none	Score	57
Exons	3215..3322, 3859..3963, 3860..3958, 3952..4053, 3956..4048, 4143..4229, 4147..4230		

Seq. No.	48082	Seq. ID	OJ000315_12.0412.C10
Gene No.	102346	Strand	-

Start	2901	End	5554
Name	OJ000315_12.0412.C10.o2.np	Method	AAT/NAP
Start	3221	End	5554
GI	7486097	Score	576
Exons	3221..3360, 3859..4056, 4137..4256, 4355..4492, 5392..5554		
GI Descrip.	hypothetical protein F24L7.16 - Arabidopsis thaliana gi|2914703|gb|AAC04493.1| (AC003974) unknown protein [Arabidopsis thaliana]		

Seq. No.	48082	Seq. ID	OJ000315_12.0412.C10
Gene No.	102346	Strand	-
Start	2901	End	5554
Name	OJ000315_12.0412.C10.o1.tm	Method	TBLASTX:Maize
Start	3325	End	5554
GI	none	Score	227
Exons	3325..3378, 3859..4053, 3863..4054, 3864..4058, 4137..4271, 4141..4263, 4161..4265, 4349..4504, 4371..4505, 4372..4506, 4378..4506, 5401..5553, 5406..5552, 5414..5554		

Seq. No.	48082	Seq. ID	OJ000315_12.0412.C10
Gene No.	102346	Strand	-
Start	2901	End	5554
Name	OJ000315_12.0412.C10.o3.gs	Method	GENSCAN
Start	3389	End	5525
GI	none	Score	.56
Exons	3389..3415, 4137..4265, 4375..4452, 5406..5525		

Seq. No.	48082	Seq. ID	OJ000315_12.0412.C10
Gene No.	102346	Strand	-
Start	2901	End	5554
Name	OJ000315_12.0412.C10.o1.ts	Method	TBLASTX:Soybean
Start	3859	End	5513
GI	none	Score	44
Exons	3859..3969, 3860..3970, 3952..4053, 3956..4051, 4143..4268, 4144..4257, 4346..4498, 4383..4490, 5415..5513		

Seq. No.	48083	Seq. ID	OJ000315_12.0412.C11
Gene No.	102347	Strand	-
Start	1	End	2935
Name	OJ000315_12.0412.C11.o1.np	Method	AAT/NAP
Start	1	End	2932
GI	7486097	Score	646
Exons	1..136, 212..427, 529..597, 1104..1356, 1450..1499, 1801..1906, 1979..2057, 2133..2380, 2473..2590, 2675..2772, 2901..2932		
GI Descrip.	hypothetical protein F24L7.16 - Arabidopsis thaliana gi|2914703|gb|AAC04493.1| (AC003974) unknown protein [Arabidopsis thaliana]		

Seq. No.	48083	Seq. ID	OJ000315_12.0412.C11
Gene No.	102347	Strand	-
Start	1	End	2935
Name	OJ000315_12.0412.C11.o1.gs	Method	GENSCAN
Start	7	End	2772
GI	none	Score	.81
Exons	7..133, 215..424, 520..597, 1162..1392, 1450..1499, 1801..2057, 2133..2380, 2679..2772		

Seq. No.	48083	Seq. ID	OJ000315_12.0412.C11
Gene No.	102347	Strand	-
Start	1	End	2935
Name	OJ000315_12.0412.C11.o1.tm	Method	TBLASTX:Maize
Start	2511	End	2932
GI	none	Score	98
Exons	2511..2591, 2515..2592, 2664..2780, 2665..2793, 2900..2932		

Seq. No.	48083	Seq. ID	OJ000315_12.0412.C11
Gene No.	102347	Strand	-
Start	1	End	2935
Name	OJ000315_12.0412.C11.o1.ts	Method	TBLASTX:Soybean
Start	2511	End	2759
GI	none	Score	62
Exons	2511..2588, 2511..2591, 2515..2592, 2664..2759, 2665..2757		

Seq. No.	48083	Seq. ID	OJ000315_12.0412.C11
Gene No.	102347	Strand	-
Start	1	End	2935
Name	OJ000315_12.0412.C11.o1.tc	Method	TBLASTX:Cress
Start	2532	End	2932
GI	none	Score	66
Exons	2532..2573, 2533..2574, 2562..2591, 2563..2592, 2664..2780, 2665..2793, 2900..2932		

Seq. No.	48083	Seq. ID	OJ000315_12.0412.C11
Gene No.	102347	Strand	-
Start	1	End	2935
Name	OJ000315_12.0412.C11.o1.gp	Method	AAT/GAP
Start	2553	End	2935
GI	5003129	Score	302
Exons	2553..2590, 2675..2772, 2901..2935		
GI Descrip.	2914703 7.0e-25 (AC003974) unknown protein [Arabidopsis thaliana]		

Seq. No.	48084	Seq. ID	OJ000315_12.0412.C12
Gene No.	102348	Strand	+
Start	1282	End	2946
Name	OJ000315_12.0412.C12.o1.np	Method	AAT/NAP
Start	1282	End	2672
GI	133912	Score	176
Exons	1282..1448, 2647..2672		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S2 gi|70859|pir||R3RZ2 ribosomal protein S2 - rice chloroplast gi|11974|emb|CAA33989| (X15901) ribosomal protein S2 [Oryza sativa] gi|226692|prf||1603356T ribosomal protein S2 [Oryza sativa]		

Seq. No.	48084	Seq. ID	OJ000315_12.0412.C12
Gene No.	102348	Strand	+
Start	1282	End	2946
Name	OJ000315_12.0412.C12.o3.np	Method	AAT/NAP
Start	1889	End	2946
GI	6723781	Score	157
Exons	1889..2298, 2860..2946		
GI Descrip.	(AJ271079) cytochrome b6f complex subunit IV [Oenothera elata subsp. hookeri]		

Seq. No.	48084	Seq. ID	OJ000315_12.0412.C12
Gene No.	102349	Strand	+
Start	2968	End	3172
Name	OJ000315_12.0412.C12.o1.gp	Method	AAT/GAP
Start	2968	End	3172
GI	uC-osflm202113d07b1	Score	361
Exons	2968..3172		
GI Descrip.	'3063460 5.0e-36 (AC003981) F22O13.22 [Arabidopsis thaliana]'		

Seq. No.	48084	Seq. ID	OJ000315_12.0412.C12
Gene No.	102350	Strand	-
Start	675	End	1009
Name	OJ000315_12.0412.C12.o1.gs	Method	GENSCAN
Start	675	End	1009
GI	none	Score	.84
Exons	675..1009		

Seq. No.	48084	Seq. ID	OJ000315_12.0412.C12
Gene No.	102351	Strand	-
Start	1543	End	2944
Name	OJ000315_12.0412.C12.o1.tm	Method	TBLASTX:Maize
Start	1248	End	1447
GI	none	Score	213
Exons	1248..1439, 1281..1412, 1288..1446, 1288..1446, 1289..1447		

Seq. No.	48084	Seq. ID	OJ000315_12.0412.C12
Gene No.	102351	Strand	-
Start	1543	End	2944
Name	OJ000315_12.0412.C12.o2.np	Method	AAT/NAP
Start	1543	End	2944
GI	82520	Score	99
Exons	1543..1623, 2896..2944		
GI Descrip.	hypothetical 16K protein (rbcL-psaI intergenic region) - rice chloroplast gi|11994|emb|CAA34006| (X15901) ORF133 [Oryza sativa] gi|226615|prf||1603356AM ORF 133 [Oryza sativa]		

Seq. No.	48085	Seq. ID	OJ000315_12.0412.C13
Gene No.	102352	Strand	+
Start	1	End	5584
Name	OJ000315_12.0412.C13.o1.gp	Method	AAT/GAP
Start	1	End	2029
GI	uC-osflm202113d07b1	Score	594
Exons	1..290, 1984..2029		
GI Descrip.	'3063460 5.0e-36 (AC003981) F22O13.22 [Arabidopsis thaliana]'		

Seq. No.	48085	Seq. ID	OJ000315_12.0412.C13
Gene No.	102352	Strand	+
Start	1	End	5584
Name	OJ000315_12.0412.C13.o1.np	Method	AAT/NAP
Start	1	End	5392
GI	2494118	Score	1730
Exons	1..290, 1984..2129, 2222..2378, 2623..2681, 2806..2965, 3357..3506, 3594..3730, 3823..3970, 4061..4185, 5127..5184, 5291..5392		
GI Descrip.	(AC002376) Strong similarity to Arabidopsis myosin MYA1 (gb|Z28389). [Arabidopsis thaliana]		

Seq. No.	48085	Seq. ID	OJ000315_12.0412.C13
Gene No.	102352	Strand	+
Start	1	End	5584
Name	OJ000315_12.0412.C13.o1.tc	Method	TBLASTX:Cress
Start	38	End	5392
GI	none	Score	315
Exons	38..286, 39..290, 1980..2129, 2220..2378, 2220..2378, 2303..2395, 2613..2681, 2804..2965, 3354..3506, 3809..3982, 3820..3975, 4085..4183, 5112..5180, 5290..5391	1984..2130, 2614..2679, 2800..2967, 3356..3508, 3822..3986, 5125..5184,	3539..3730, 3594..3725, 4079..4183, 4084..4185, 5277..5375, 5288..5392,

Seq. No.	48085	Seq. ID	OJ000315_12.0412.C13
Gene No.	102352	Strand	+
Start	1	End	5584
Name	OJ000315_12.0412.C13.o1.gs	Method	GENSCAN
Start	81	End	5584
GI	none	Score	.8
Exons	81..290, 1984..2129, 2222..2353, 2806..2965, 3357..3506, 3755..3969, 4084..4185, 5127..5184, 5291..5392, 5549..5584		

Seq. No.	48085	Seq. ID	OJ000315_12.0412.C13
Gene No.	102352	Strand	+
Start	1	End	5584
Name	OJ000315_12.0412.C13.o1.tm	Method	TBLASTX:Maize
Start	2613	End	2953
GI	none	Score	70
Exons	2613..2672, 2623..2682, 2625..2672, 2819..2953, 2819..2950		

Seq. No.	48085	Seq. ID	OJ000315_12.0412.C13
Gene No.	102352	Strand	+
Start	1	End	5584
Name	OJ000315_12.0412.C13.o2.tm	Method	TBLASTX:Maize
Start	3615	End	3982
GI	none	Score	125
Exons	3615..3731, 3617..3739, 3806..3982, 3820..3975		

Seq. No.	48086	Seq. ID	OJ000315_12.0412.C14
Gene No.	102353	Strand	+
Start	1	End	631
Name	OJ000315_12.0412.C14.o1.np	Method	AAT/NAP
Start	1	End	631
GI	7243765	Score	339
Exons	1..45, 252..419, 500..631		
GI Descrip.	(AF233886) unconventional myosin XI [Vallisneria gigantea]		

Seq. No.	48086	Seq. ID	OJ000315_12.0412.C14
Gene No.	102353	Strand	+
Start	1	End	631
Name	OJ000315_12.0412.C14.o1.tc	Method	TBLASTX:Cress
Start	251	End	631
GI	none	Score	206
Exons	251..418, 252..419, 499..630, 539..631		

Seq. No.	48086	Seq. ID	OJ000315_12.0412.C14
Gene No.	102353	Strand	+

Start	1	End	631
Name	OJ000315_12.0412.C14.o1.gs	Method	GENSCAN
Start	252	End	631
GI	none	Score	.95
Exons	252..419, 500..631		

Seq. No.	48087	Seq. ID	OJ000315_18.0413.C1
Gene No.	102354	Strand	+
Start	497	End	2455
Name	OJ000315_18.0413.C1.o1.np	Method	AAT/NAP
Start	497	End	2455
GI	4680179	Score	2225
Exons	497..2130, 2361..2455		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48087	Seq. ID	OJ000315_18.0413.C1
Gene No.	102354	Strand	+
Start	497	End	2455
Name	OJ000315_18.0413.C1.o1.gs	Method	GENSCAN
Start	507	End	2210
GI	none	Score	.98
Exons	507..2210		

Seq. No.	48087	Seq. ID	OJ000315_18.0413.C1
Gene No.	102354	Strand	+
Start	497	End	2455
Name	OJ000315_18.0413.C1.o1.ts	Method	TBLASTX:Soybean
Start	515	End	876
GI	none	Score	52
Exons	515..625, 516..875, 518..553, 584..874, 745..876		

Seq. No.	48087	Seq. ID	OJ000315_18.0413.C1
Gene No.	102354	Strand	+
Start	497	End	2455
Name	OJ000315_18.0413.C1.o3.tw	Method	TBLASTX:Wheat
Start	588	End	890
GI	none	Score	377
Exons	588..890, 590..883		

Seq. No.	48087	Seq. ID	OJ000315_18.0413.C1
Gene No.	102354	Strand	+
Start	497	End	2455
Name	OJ000315_18.0413.C1.o3.tm	Method	TBLASTX:Maize
Start	609	End	956
GI	none	Score	335
Exons	609..956, 701..955		

Seq. No.	48087	Seq. ID	OJ000315_18.0413.C1
Gene No.	102354	Strand	+
Start	497	End	2455
Name	OJ000315_18.0413.C1.o2.tw	Method	TBLASTX:Wheat
Start	891	End	1316
GI	none	Score	583
Exons	891..1316, 923..1312, 954..1316		

Seq. No.	48087	Seq. ID	OJ000315_18.0413.C1
Gene No.	102354	Strand	+

Start	497	End	2455
Name	OJ000315_18.0413.C1.o3.ts	Method	TBLASTX:Soybean
Start	897	End	1142
GI	none	Score	202
Exons	897..1142, 914..1027		

Seq. No.	48087	Seq. ID	OJ000315_18.0413.C1
Gene No.	102354	Strand	+
Start	497	End	2455
Name	OJ000315_18.0413.C1.o1.tm	Method	TBLASTX:Maize
Start	962	End	1325
GI	none	Score	475
Exons	962..1321, 963..1322, 963..1325		

Seq. No.	48087	Seq. ID	OJ000315_18.0413.C1
Gene No.	102354	Strand	+
Start	497	End	2455
Name	OJ000315_18.0413.C1.o1.tw	Method	TBLASTX:Wheat
Start	1347	End	1883
GI	none	Score	624
Exons	1347..1883, 1403..1882		

Seq. No.	48087	Seq. ID	OJ000315_18.0413.C1
Gene No.	102354	Strand	+
Start	497	End	2455
Name	OJ000315_18.0413.C1.o4.tm	Method	TBLASTX:Maize
Start	1533	End	1847
GI	none	Score	271
Exons	1533..1847, 1560..1697, 1643..1846		

Seq. No.	48087	Seq. ID	OJ000315_18.0413.C1
Gene No.	102354	Strand	+
Start	497	End	2455
Name	OJ000315_18.0413.C1.o2.ts	Method	TBLASTX:Soybean
Start	1671	End	1931
GI	none	Score	275
Exons	1671..1931, 1676..1930		

Seq. No.	48087	Seq. ID	OJ000315_18.0413.C1
Gene No.	102354	Strand	+
Start	497	End	2455
Name	OJ000315_18.0413.C1.o2.tm	Method	TBLASTX:Maize
Start	1848	End	2132
GI	none	Score	373
Exons	1848..2132, 1859..2119		

Seq. No.	48087	Seq. ID	OJ000315_18.0413.C1
Gene No.	102354	Strand	+
Start	497	End	2455
Name	OJ000315_18.0413.C1.o4.tw	Method	TBLASTX:Wheat
Start	1889	End	2132
GI	none	Score	284
Exons	1889..2119, 1890..2132, 1896..2120		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102355	Strand	+
Start	60	End	11259

Name	OJ000315_18.0413.C2.o1.gp	Method	AAT/GAP
Start	60	End	441
GI	uC-osflcyp033a04b1	Score	679
Exons	60..441		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102355	Strand	+
Start	60	End	11259
Name	OJ000315_18.0413.C2.o1.gs	Method	GENSCAN
Start	238	End	11259
GI	none	Score	.54
Exons	238..309, 1301..2039, 2482..2584, 3924..4250, 5238..5322, 5565..6159, 6245..7454, 7500..10051, 10841..11259		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102355	Strand	+
Start	60	End	11259
Name	OJ000315_18.0413.C2.o2.np	Method	AAT/NAP
Start	5565	End	10065
GI	4680179	Score	5337
Exons	5565..6630, 6664..10065		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102356	Strand	+
Start	12273	End	13843
Name	OJ000315_18.0413.C2.o5.gp	Method	AAT/GAP
Start	12095	End	12476
GI	uC-osflcyp033a04b1	Score	691
Exons	12095..12476		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102356	Strand	+
Start	12273	End	13843
Name	OJ000315_18.0413.C2.o2.gs	Method	GENSCAN
Start	12273	End	13843
GI	none	Score	.59
Exons	12273..12344, 13181..13843		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102357	Strand	+
Start	15097	End	21011
Name	OJ000315_18.0413.C2.o3.np	Method	AAT/NAP
Start	15097	End	21011
GI	7248395	Score	2375
Exons	15097..15181, 17447..18016, 18060..18898, 19645..20091, 20289..20433, 20469..21011		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102357	Strand	+
Start	15097	End	21011
Name	OJ000315_18.0413.C2.o6.gp	Method	AAT/GAP

Start	15803	End	16184
GI	uC-osflcyp033a04b1	Score	647
Exons	15803..16184		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102357	Strand	+
Start	15097	End	21011
Name	OJ000315_18.0413.C2.o5.np	Method	AAT/NAP
Start	19197	End	21011
GI	7248395	Score	1122
Exons	19197..19253, 19698..20091, 20289..20433, 20469..21011		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102358	Strand	-
Start	1	End	1058
Name	OJ000315_18.0413.C2.o1.np	Method	AAT/NAP
Start	1	End	1058
GI	4680186	Score	327
Exons	1..193, 1004..1058		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102359	Strand	-
Start	1976	End	2281
Name	OJ000315_18.0413.C2.o2.gp	Method	AAT/GAP
Start	1976	End	2281
GI	61605_3.R1084	Score	458
Exons	1976..2281		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102360	Strand	-
Start	2803	End	3237
Name	OJ000315_18.0413.C2.o3.gp	Method	AAT/GAP
Start	2803	End	3237
GI	2428185	Score	572
Exons	2803..3237		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102361	Strand	-
Start	3260	End	3989
Name	OJ000315_18.0413.C2.o4.gp	Method	AAT/GAP
Start	3260	End	3989
GI	101153_1.R1084	Score	448
Exons	3260..3483, 3955..3989		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102362	Strand	-
Start	14659	End	15078

Name	OJ000315_18.0413.C2.o3.gs	Method	GENSCAN
Start	14659	End	15078
GI	none	Score	1
Exons	14659..15078		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102363	Strand	-
Start	21299	End	21553
Name	OJ000315_18.0413.C2.o4.np	Method	AAT/NAP
Start	21299	End	21553
GI	7106513	Score	200
Exons	21299..21407, 21510..21553		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o7.tw	Method	TBLASTX:Wheat
Start	5798	End	6158
GI	none	Score	278
Exons	5798..6157, 5799..6158		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o6.tm	Method	TBLASTX:Maize
Start	6655	End	7008
GI	none	Score	188
Exons	6655..7008		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o8.tw	Method	TBLASTX:Wheat
Start	6691	End	7113
GI	none	Score	164
Exons	6691..6900, 6747..6899, 6945..7058, 6946..7113		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o4.tw	Method	TBLASTX:Wheat
Start	7228	End	7710
GI	none	Score	52
Exons	7228..7278, 7332..7667, 7333..7710		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o5.tm	Method	TBLASTX:Maize
Start	7240	End	7529
GI	none	Score	269
Exons	7240..7527, 7338..7529		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421

Name	OJ000315_18.0413.C2.o3.tm	Method	TBLASTX:Maize
Start	7597	End	8088
GI	none	Score	167
Exons	7597..7776, 7605..7751, 7783..8088, 7848..7976, 8004..8054		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o1.ts	Method	TBLASTX:Soybean
Start	7651	End	8046
GI	none	Score	57
Exons	7651..7683, 7653..7682, 7687..8046, 7689..7727, 7755..8045		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o5.tw	Method	TBLASTX:Wheat
Start	7759	End	8061
GI	none	Score	378
Exons	7759..8061, 7761..8045		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o3.tw	Method	TBLASTX:Wheat
Start	8062	End	8484
GI	none	Score	575
Exons	8062..8484, 8094..8483		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o2.tm	Method	TBLASTX:Maize
Start	8133	End	8496
GI	none	Score	482
Exons	8133..8483, 8134..8487, 8134..8496		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o2.tw	Method	TBLASTX:Wheat
Start	8487	End	9054
GI	none	Score	646
Exons	8487..9053, 8518..9054		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o1.tc	Method	TBLASTX:Cress
Start	8761	End	9078
GI	none	Score	89
Exons	8761..8934, 8935..9078, 8937..9077		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o2.ts	Method	TBLASTX:Soybean

Start	8842	End	9102
GI	none	Score	295
Exons	8842..9102, 8847..9101		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o4.tm	Method	TBLASTX:Maize
Start	8900	End	9192
GI	none	Score	86
Exons	8900..9067, 8901..9188, 8902..9192		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o1.tw	Method	TBLASTX:Wheat
Start	9061	End	13576
GI	none	Score	693
Exons	9061..9687, 9117..9575, 9433..9684, 13178..13576, 13187..13291, 13192..13464, 13451..13573		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o1.tm	Method	TBLASTX:Maize
Start	9241	End	13729
GI	none	Score	231
Exons	9241..9402, 9249..9395, 9400..9840, 9402..9824, 13178..13291, 13195..13284, 13289..13729, 13291..13713		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o6.tw	Method	TBLASTX:Wheat
Start	9687	End	13909
GI	none	Score	325
Exons	9687..9956, 9688..10020, 9691..9999, 13576..13845, 13577..13909, 13580..13888		

Seq. No.	48088	Seq. ID	OJ000315_18.0413.C2
Gene No.	102364	Strand	-
Start	23635	End	24421
Name	OJ000315_18.0413.C2.o6.np	Method	AAT/NAP
Start	23635	End	24421
GI	1184100	Score	77
Exons	23635..24131, 24377..24421		
GI Descrip.	(U45958) pistil extensin-like protein [Nicotiana alata]		

Seq. No.	48089	Seq. ID	OJ000315_18.0413.C3
Gene No.	102365	Strand	-
Start	444	End	1002
Name	OJ000315_18.0413.C3.o1.np	Method	AAT/NAP
Start	444	End	1002
GI	7487906	Score	86
Exons	444..550, 941..1002		
GI Descrip.	hypothetical protein YUP8H12R.3 - Arabidopsis thaliana gi|3152595|gb|AAC17076.1| (AC002986) Similar to D. melanogaster		

sno gene gb|U95760. EST gb|N97148 and gb|Z26221 come from this gene. [Arabidopsis thaliana]

Seq. No.	48089	Seq. ID	OJ000315_18.0413.C3
Gene No.	102365	Strand	-
Start	444	End	1002
Name	OJ000315_18.0413.C3.o1.gs	Method	GENSCAN
Start	448	End	994
GI	none	Score	.89
Exons	448..550, 941..994		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102366	Strand	+
Start	92	End	210
Name	OJ000315_18.0413.C4.o1.np	Method	AAT/NAP
Start	92	End	210
GI	6456434	Score	79
Exons	92..210		
GI Descrip.	(AB025343) lupeol synthase [Olea europaea]		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102367	Strand	+
Start	6125	End	11099
Name	OJ000315_18.0413.C4.o2.gp	Method	AAT/GAP
Start	6125	End	10538
GI	29435_1.R1084	Score	2756
Exons	6125..6404, 6923..7900, 10362..10538		
GI Descrip.	'4337195/gb|AAD18109| 1.0e-112 (AC006403) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102367	Strand	+
Start	6125	End	11099
Name	OJ000315_18.0413.C4.o2.gs	Method	GENSCAN
Start	6987	End	10701
GI	none	Score	.87
Exons	6987..7900, 10362..10701		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102367	Strand	+
Start	6125	End	11099
Name	OJ000315_18.0413.C4.o4.np	Method	AAT/NAP
Start	6987	End	10698
GI	4337195	Score	1479
Exons	6987..7900, 10362..10698		
GI Descrip.	(AC006403) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102367	Strand	+
Start	6125	End	11099
Name	OJ000315_18.0413.C4.o3.gp	Method	AAT/GAP
Start	10581	End	11099
GI	none	Score	1002
Exons	10581..11099		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102368	Strand	-

Start	977	End	6494
Name	OJ000315_18.0413.C4.o1.gp	Method	AAT/GAP
Start	92	End	467
GI	uC-osflm202002g05b1	Score	733
Exons	92..467		
GI Descrip.	'6045133/dbj|BAA85266.1| 1.0e-11 (AB033334) cycloartenol synthase [Luffa cylindrica]'		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102368	Strand	-
Start	977	End	6494
Name	OJ000315_18.0413.C4.o1.gs	Method	GENSCAN
Start	977	End	6494
GI	none	Score	.46
Exons	977..1039, 1165..3680, 3919..4013, 4136..4369, 5598..5789, 6217..6494		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102368	Strand	-
Start	977	End	6494
Name	OJ000315_18.0413.C4.o2.np	Method	AAT/NAP
Start	1483	End	3285
GI	7489501	Score	723
Exons	1483..1672, 1751..3285		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792220|gb|AAB96985.1| (AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o4.ts	Method	TBLASTX:Soybean
Start	1750	End	2623
GI	none	Score	133
Exons	1750..1875, 1816..1992, 1882..1989, 2266..2622, 2267..2623		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o4.tm	Method	TBLASTX:Maize
Start	2347	End	2643
GI	none	Score	81
Exons	2347..2643, 2365..2616		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o1.tm	Method	TBLASTX:Maize
Start	6977	End	10771
GI	none	Score	46
Exons	6977..7054, 6979..7041, 6987..7055, 7019..7174, 7020..7145, 7029..7199, 7049..7180, 7155..7484, 7165..7800, 7187..7900, 7194..7925, 7463..7915, 7910..7933, 10362..10712, 10363..10704, 10548..10712, 10713..10769, 10715..10771		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-

Start	9621	End	18432
Name	OJ000315_18.0413.C4.o3.tw	Method	TBLASTX:Wheat
Start	6980	End	7355
GI	none	Score	57
Exons	6980..7048, 6981..7049, 7020..7127, 7044..7145, 7060..7170, 7116..7355, 7139..7222, 7146..7223, 7306..7329		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o1.ts	Method	TBLASTX:Soybean
Start	7064	End	10545
GI	none	Score	123
Exons	7064..7219, 7065..7226, 7071..7226, 7244..7426, 7245..7925, 7248..7487, 7523..7915, 7572..7916, 7581..7631, 7584..7631, 7589..7633, 10362..10532, 10363..10527, 10363..10545		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o3.tc	Method	TBLASTX:Cress
Start	7118	End	7514
GI	none	Score	370
Exons	7118..7201, 7203..7514, 7250..7426		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o1.tc	Method	TBLASTX:Cress
Start	7518	End	10760
GI	none	Score	109
Exons	7518..7601, 7523..7597, 7598..7915, 7602..7925, 10363..10398, 10363..10395, 10410..10589, 10410..10760, 10414..10755		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o2.tw	Method	TBLASTX:Wheat
Start	7620	End	10629
GI	none	Score	205
Exons	7620..7859, 7857..7901, 10363..10629, 10380..10430, 10488..10589		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o6.np	Method	AAT/NAP
Start	9621	End	16230
GI	7340884	Score	144
Exons	9621..9664, 11967..11995, 16058..16230		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o5.ts	Method	TBLASTX:Soybean
Start	10545	End	10715

GI	none	Score	210
Exons	10545..10715, 10546..10701		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o3.gs	Method	GENSCAN
Start	11299	End	18432
GI	none	Score	.7
Exons	11299..11465, 12044..12287, 12445..12657, 12812..13297, 13409..13476, 13598..13925, 13968..14044, 14383..14554, 14631..14701, 15019..15106, 15387..15452, 18430..18432		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o4.gp	Method	AAT/GAP
Start	11619	End	12977
GI	5334_1.R1084	Score	1996
Exons	11619..12311, 12445..12657, 12812..12977		
GI Descrip.	'4204265 5.0e-70 (AC005223) 45643 [Arabidopsis thaliana]'		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o2.tm	Method	TBLASTX:Maize
Start	11939	End	13684
GI	none	Score	44
Exons	11939..11971, 11948..12010, 11981..12124, 12036..12227, 12037..12132, 12138..12326, 12139..12312, 12156..12314, 12409..12666, 12444..12665, 12791..13237, 12807..13211, 12810..13238, 13108..13221, 13202..13297, 13212..13298, 13212..13298, 13386..13454, 13409..13477, 13410..13478, 13411..13485, 13584..13682, 13585..13683, 13598..13684		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o5.np	Method	AAT/NAP
Start	11988	End	13835
GI	7025862	Score	750
Exons	11988..12311, 12445..12657, 12812..13297, 13370..13835		
GI Descrip.	(AC024128) unknown protein [Arabidopsis thaliana]		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o2.tc	Method	TBLASTX:Cress
Start	12141	End	13123
GI	none	Score	144
Exons	12141..12326, 12439..12666, 12445..12672, 12494..12679, 12524..12670, 12788..13021, 12807..13022, 13076..13123		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o2.ts	Method	TBLASTX:Soybean

Start	12147	End	12685
GI	none	Score	158
Exons	12147..12326, 12442..12657, 12442..12666, 12444..12665, 12497..12685		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o1.tw	Method	TBLASTX:Wheat
Start	12161	End	12666
GI	none	Score	73
Exons	12161..12295, 12180..12314, 12180..12326, 12409..12666, 12494..12664		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o3.ts	Method	TBLASTX:Soybean
Start	12788	End	13241
GI	none	Score	163
Exons	12788..13054, 12807..13022, 13028..13153, 13194..13241		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o5.gp	Method	AAT/GAP
Start	13262	End	15507
GI	25369_1.R1084	Score	1418
Exons	13262..13297, 13409..13476, 13598..13895, 13968..14044, 14383..14554, 14631..14701, 15387..15507		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 4.0e-09 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	48090	Seq. ID	OJ000315_18.0413.C4
Gene No.	102369	Strand	-
Start	9621	End	18432
Name	OJ000315_18.0413.C4.o3.tm	Method	TBLASTX:Maize
Start	13722	End	14703
GI	none	Score	111
Exons	13722..13808, 13723..13809, 13724..13810, 13724..13822, 13798..13896, 13798..13893, 13811..13894, 13812..13895, 13963..14052, 13968..14051, 14375..14434, 14379..14441, 14383..14442, 14432..14545, 14434..14550, 14436..14537, 14534..14560, 14622..14702, 14644..14703		

Seq. No.	48091	Seq. ID	OJ000315_18.0413.C5
Gene No.	102370	Strand	+
Start	3307	End	7408
Name	OJ000315_18.0413.C5.o3.np	Method	AAT/NAP
Start	2749	End	7408
GI	1708137	Score	114
Exons	2749..2770, 5625..5749, 6240..6337, 7210..7408		
GI Descrip.	POTENTIAL HEME-BINDING PROTEIN gi|2147497|pir||S73153 hypothetical protein 10 - Porphyra purpurea chloroplast gi|1276698 (U38804) hypothetical chloroplast ORF 10. [Porphyra purpurea]		

Seq. No.	48091	Seq. ID	OJ000315_18.0413.C5
Gene No.	102370	Strand	+
Start	3307	End	7408
Name	OJ000315_18.0413.C5.o2.gs	Method	GENSCAN
Start	3307	End	5494
GI	none	Score	.96
Exons	3307..3500, 3816..4401, 4995..5080, 5317..5494		

Seq. No.	48091	Seq. ID	OJ000315_18.0413.C5
Gene No.	102370	Strand	+
Start	3307	End	7408
Name	OJ000315_18.0413.C5.o2.np	Method	AAT/NAP
Start	3416	End	5491
GI	2980762	Score	443
Exons	3416..3524, 3902..4401, 4995..5080, 5317..5491		
GI Descrip.	(AL022198) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48091	Seq. ID	OJ000315_18.0413.C5
Gene No.	102370	Strand	+
Start	3307	End	7408
Name	OJ000315_18.0413.C5.o1.gp	Method	AAT/GAP
Start	6678	End	7191
GI	none	Score	967
Exons	6678..7191		

Seq. No.	48091	Seq. ID	OJ000315_18.0413.C5
Gene No.	102371	Strand	-
Start	53	End	453
Name	OJ000315_18.0413.C5.o1.gs	Method	GENSCAN
Start	53	End	453
GI	none	Score	.65
Exons	53..130, 142..453		

Seq. No.	48091	Seq. ID	OJ000315_18.0413.C5
Gene No.	102371	Strand	-
Start	53	End	453
Name	OJ000315_18.0413.C5.o2.tm	Method	TBLASTX:Maize
Start	56	End	378
GI	none	Score	162
Exons	56..145, 148..378		

Seq. No.	48091	Seq. ID	OJ000315_18.0413.C5
Gene No.	102372	Strand	
Start	4120	End	5731
Name	OJ000315_18.0413.C5.o1.tm	Method	TBLASTX:Maize
Start	4120	End	5731
GI	none	Score	125
Exons	4120..4200, 4122..4202, 4205..4402, 4240..4401, 4262..4402, 4263..4409, 4263..4412, 4273..4431, 4994..5083, 4995..5081, 5312..5491, 5314..5496, 5315..5497, 5636..5731, 5639..5728		

Seq. No.	48091	Seq. ID	OJ000315_18.0413.C5
Gene No.	102372	Strand	
Start	4120	End	5731
Name	OJ000315_18.0413.C5.o1.ts	Method	TBLASTX:Soybean
Start	5330	End	5716
GI	none	Score	188

Exons	5330..5497, 5330..5488, 5394..5495, 5636..5716		
Seq. No.	48091	Seq. ID	OJ000315_18.0413.C5
Gene No.	102373	Strand	-
Start	7211	End	7348
Name	OJ000315_18.0413.C5.o3.tm	Method	TBLASTX:Maize
Start	7211	End	7348
GI	none	Score	71
Exons	7211..7252, 7213..7251, 7244..7348, 7255..7347		
Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102374	Strand	+
Start	1827	End	6383
Name	OJ000315_18.0413.C7.o1.np	Method	AAT/NAP
Start	1827	End	6371
GI	7486497	Score	1375
Exons	1827..1897, 2292..2561, 5002..5332, 5577..6371		
GI Descrip.	hypothetical protein F6E21.60 - Arabidopsis thaliana gi|7270016|emb|CAB79832.1| (AL161578) 1, 3-beta-glucanase-like protein [Arabidopsis thaliana]		
Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102374	Strand	+
Start	1827	End	6383
Name	OJ000315_18.0413.C7.o1.gs	Method	GENSCAN
Start	2215	End	6383
GI	none	Score	1
Exons	2215..2561, 5002..5332, 5577..6383		
Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102375	Strand	+
Start	9849	End	11264
Name	OJ000315_18.0413.C7.o3.gs	Method	GENSCAN
Start	9849	End	11112
GI	none	Score	.98
Exons	9849..10000, 10943..11112		
Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102375	Strand	+
Start	9849	End	11264
Name	OJ000315_18.0413.C7.o2.np	Method	AAT/NAP
Start	9855	End	11264
GI	7486095	Score	390
Exons	9855..10000, 10943..11112, 11210..11264		
GI Descrip.	hypothetical protein F24L7.13 - Arabidopsis thaliana gi|2914700|gb|AAC04490.1| (AC003974) 26S proteasome regulatory subunit [Arabidopsis thaliana]		
Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102376	Strand	-
Start	7228	End	9061
Name	OJ000315_18.0413.C7.o4.tc	Method	TBLASTX:Cress
Start	2290	End	2544
GI	none	Score	206
Exons	2290..2544, 2298..2534		
Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7

Gene No.	102376	Strand	-
Start	7228	End	9061
Name	OJ000315_18.0413.C7.o3.ts	Method	TBLASTX:Soybean
Start	2295	End	5247
GI	none	Score	238
Exons	2295..2561, 2296..2550, 4978..5247, 5000..5245		

Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102376	Strand	-
Start	7228	End	9061
Name	OJ000315_18.0413.C7.o2.tm	Method	TBLASTX:Maize
Start	2298	End	5134
GI	none	Score	261
Exons	2298..2561, 2299..2562, 4990..5133, 5000..5134		

Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102376	Strand	-
Start	7228	End	9061
Name	OJ000315_18.0413.C7.o1.tc	Method	TBLASTX:Cress
Start	4978	End	5660
GI	none	Score	218
Exons	4978..5160, 5000..5200, 5176..5277, 5177..5278, 5276..5329, 5577..5660		

Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102376	Strand	-
Start	7228	End	9061
Name	OJ000315_18.0413.C7.o1.tm	Method	TBLASTX:Maize
Start	5194	End	6278
GI	none	Score	178
Exons	5194..5289, 5195..5332, 5574..5939, 5575..5655, 5576..5926, 5976..6278, 5976..6137, 5984..6253		

Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102376	Strand	-
Start	7228	End	9061
Name	OJ000315_18.0413.C7.o2.ts	Method	TBLASTX:Soybean
Start	5619	End	5863
GI	none	Score	328
Exons	5619..5861, 5627..5863		

Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102376	Strand	-
Start	7228	End	9061
Name	OJ000315_18.0413.C7.o1.ts	Method	TBLASTX:Soybean
Start	5984	End	6299
GI	none	Score	339
Exons	5984..6277, 5985..6299		

Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102376	Strand	-
Start	7228	End	9061
Name	OJ000315_18.0413.C7.o2.tc	Method	TBLASTX:Cress
Start	6056	End	6313
GI	none	Score	244
Exons	6056..6313, 6057..6278		

Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102376	Strand	-
Start	7228	End	9061
Name	OJ000315_18.0413.C7.o2.gs	Method	GENSCAN
Start	7228	End	9061
GI	none	Score	.93
Exons	7228..7302, 8087..8191, 8197..8505, 8933..9061		

Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102377	Strand	
Start	9804	End	11259
Name	OJ000315_18.0413.C7.o4.ts	Method	TBLASTX:Soybean
Start	9804	End	11233
GI	none	Score	153
Exons	9804..9989, 10953..11108, 10956..11141, 11213..11233		

Seq. No.	48092	Seq. ID	OJ000315_18.0413.C7
Gene No.	102377	Strand	
Start	9804	End	11259
Name	OJ000315_18.0413.C7.o3.tc	Method	TBLASTX:Cress
Start	9867	End	11259
GI	none	Score	153
Exons	9867..9989, 10939..10971, 10953..11108, 10956..11141, 11209..11259		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8
Gene No.	102378	Strand	+
Start	1	End	6404
Name	OJ000315_18.0413.C8.o1.np	Method	AAT/NAP
Start	1	End	3016
GI	7486095	Score	2694
Exons	1..323, 587..722, 819..1067, 1162..1382, 1501..1759, 1859..2596, 2669..3016		
GI Descrip.	hypothetical protein F24L7.13 - Arabidopsis thaliana gi|2914700|gb|AAC04490.1| (AC003974) 26S proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8
Gene No.	102378	Strand	+
Start	1	End	6404
Name	OJ000315_18.0413.C8.o1.gs	Method	GENSCAN
Start	109	End	3019
GI	none	Score	.91
Exons	109..228, 936..1067, 1162..1382, 1501..1759, 1859..2566, 2690..3019		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8
Gene No.	102378	Strand	+
Start	1	End	6404
Name	OJ000315_18.0413.C8.o2.np	Method	AAT/NAP
Start	1191	End	6404
GI	5295955	Score	329
Exons	1191..1230, 4102..4233, 5062..5511, 5777..6231, 6287..6404		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8

Gene No.	102378	Strand	+
Start	1	End	6404
Name	OJ000315_18.0413.C8.o1.gp	Method	AAT/GAP
Start	1230	End	3265
GI	16776_1.R1084	Score	3267
Exons	1230..1382, 1501..1759, 1859..2566, 2690..3265		
GI Descrip.	'2914700 0.0e+00 (AC003974) tRNA-processing protein SEN3-like [Arabidopsis thaliana]'		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8
Gene No.	102379	Strand	-
Start	3435	End	3543
Name	OJ000315_18.0413.C8.o2.gp	Method	AAT/GAP
Start	3435	End	3543
GI	uC-osflcyp088b12b1	Score	139
Exons	3435..3543		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8
Gene No.	102380	Strand	-
Start	4957	End	6220
Name	OJ000315_18.0413.C8.o2.tm	Method	TBLASTX:Maize
Start	11	End	908
GI	none	Score	149
Exons	11..118, 12..146, 13..120, 47..151, 138..323, 142..324, 582..656, 584..655, 657..722, 660..725, 661..726, 662..724, 819..908, 819..908		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8
Gene No.	102380	Strand	-
Start	4957	End	6220
Name	OJ000315_18.0413.C8.o1.ts	Method	TBLASTX:Soybean
Start	608	End	2113
GI	none	Score	175
Exons	608..724, 609..722, 819..1082, 822..1100, 1003..1089, 1137..1262, 1141..1383, 1159..1383, 1498..1782, 1499..1759, 1500..1763, 1855..2112, 1856..2113		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8
Gene No.	102380	Strand	-
Start	4957	End	6220
Name	OJ000315_18.0413.C8.o2.tc	Method	TBLASTX:Cress
Start	660	End	980
GI	none	Score	95
Exons	660..722, 668..724, 819..980, 822..977		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8
Gene No.	102380	Strand	-
Start	4957	End	6220
Name	OJ000315_18.0413.C8.o1.tm	Method	TBLASTX:Maize
Start	919	End	3028
GI	none	Score	147
Exons	919..1068, 920..1057, 933..1082, 933..1139, 1141..1383, 1141..1383, 1322..1384, 1475..1759, 1476..1757, 1498..1758, 1854..2228, 1855..2466, 1856..2470, 1857..2543, 2292..2513, 2684..2896, 2689..2841, 2738..2905, 2965..3018, 2972..3028		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8
Gene No.	102380	Strand	-
Start	4957	End	6220
Name	OJ000315_18.0413.C8.o4.tc	Method	TBLASTX:Cress
Start	1159	End	1540
GI	none	Score	168
Exons	1159..1383, 1165..1383, 1499..1540		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8
Gene No.	102380	Strand	-
Start	4957	End	6220
Name	OJ000315_18.0413.C8.o1.tc	Method	TBLASTX:Cress
Start	1711	End	2226
GI	none	Score	72
Exons	1711..1785, 1712..1759, 1851..2189, 1851..2225, 1855..2226, 1856..2224		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8
Gene No.	102380	Strand	-
Start	4957	End	6220
Name	OJ000315_18.0413.C8.o2.ts	Method	TBLASTX:Soybean
Start	2114	End	3019
GI	none	Score	528
Exons	2114..2467, 2114..2431, 2116..2466, 2684..2896, 2710..2841, 2965..3018, 2972..3019		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8
Gene No.	102380	Strand	-
Start	4957	End	6220
Name	OJ000315_18.0413.C8.o3.tc	Method	TBLASTX:Cress
Start	2296	End	3021
GI	none	Score	224
Exons	2296..2466, 2297..2467, 2498..2527, 2704..2838, 2705..3019, 2965..3021		

Seq. No.	48093	Seq. ID	OJ000315_18.0413.C8
Gene No.	102380	Strand	-
Start	4957	End	6220
Name	OJ000315_18.0413.C8.o2.gs	Method	GENSCAN
Start	4957	End	6220
GI	none	Score	.44
Exons	4957..5469, 6195..6220		

Seq. No.	48094	Seq. ID	OJ000315_18.0413.C9
Gene No.	102381	Strand	+
Start	475	End	1300
Name	OJ000315_18.0413.C9.o1.gs	Method	GENSCAN
Start	475	End	1300
GI	none	Score	.48
Exons	475..549, 1265..1300		

Seq. No.	48094	Seq. ID	OJ000315_18.0413.C9
Gene No.	102382	Strand	-
Start	1214	End	1924
Name	OJ000315_18.0413.C9.o1.np	Method	AAT/NAP
Start	1214	End	1924

GI	5852172	Score	137
Exons	1214..1347, 1885..1924		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	48095	Seq. ID	OJ000315_18.0413.C11
Gene No.	102383	Strand	+
Start	812	End	1825
Name	OJ000315_18.0413.C11.o1.np	Method	AAT/NAP
Start	812	End	1825
GI	3786005	Score	124
Exons	812..978, 1717..1825		
GI Descrip.	(AC005499) putative phospholipid cytidylyltransferase [Arabidopsis thaliana]		

Seq. No.	48095	Seq. ID	OJ000315_18.0413.C11
Gene No.	102384	Strand	-
Start	1491	End	1825
Name	OJ000315_18.0413.C11.o1.gp	Method	AAT/GAP
Start	1491	End	1825
GI	26347_1.R1084	Score	633
Exons	1491..1825		
GI Descrip.	'3786005 7.0e-63 (AC005499) putative phosphoethanolamine cytidylyltransferase [Arabidopsis thaliana]'		

Seq. No.	48095	Seq. ID	OJ000315_18.0413.C11
Gene No.	102384	Strand	-
Start	1491	End	1825
Name	OJ000315_18.0413.C11.o1.tm	Method	TBLASTX:Maize
Start	1495	End	1824
GI	none	Score	353
Exons	1495..1824, 1497..1820, 1498..1824		

Seq. No.	48095	Seq. ID	OJ000315_18.0413.C11
Gene No.	102384	Strand	-
Start	1491	End	1825
Name	OJ000315_18.0413.C11.o1.ts	Method	TBLASTX:Soybean
Start	1602	End	1824
GI	none	Score	93
Exons	1602..1643, 1603..1674, 1678..1824, 1679..1792, 1680..1817, 1737..1817, 1744..1824		

Seq. No.	48096	Seq. ID	OJ000315_18.0413.C14
Gene No.	102385	Strand	+
Start	1	End	1039
Name	OJ000315_18.0413.C14.o1.gp	Method	AAT/GAP
Start	1	End	66
GI	uC-osflcyp120a10b1	Score	132
Exons	1..66		
GI Descrip.	'6045135/dbj|BAA85267.1| 9.0e-45 (AB033335) oxidosqualene cyclase [Luffa cylindrica]'		

Seq. No.	48096	Seq. ID	OJ000315_18.0413.C14
Gene No.	102385	Strand	+
Start	1	End	1039
Name	OJ000315_18.0413.C14.o1.np	Method	AAT/NAP
Start	1	End	1039
GI	2598587	Score	167

Exons	1..124, 629..727, 1010..1039		
GI Descrip.	(Y15366) cycloartenol synthase [Medicago truncatula]		
Seq. No.	48096	Seq. ID	OJ000315_18.0413.C14
Gene No.	102385	Strand	+
Start	1	End	1039
Name	OJ000315_18.0413.C14.o1.gs	Method	GENSCAN
Start	6	End	124
GI	none	Score	.87
Exons	6..124		
Seq. No.	48097	Seq. ID	OJ000315_05.0411.C3
Gene No.	102386	Strand	-
Start	1	End	1522
Name	OJ000315_05.0411.C3.o1.np	Method	AAT/NAP
Start	1	End	1522
GI	7436974	Score	551
Exons	1..388, 750..805, 914..995, 1096..1163, 1314..1370, 1474..1522		
GI Descrip.	AIM1 protein - Arabidopsis thaliana gi|4337025|gb|AAD18041.1| (AF123253) AIM1 protein [Arabidopsis thaliana] gi|4972047|emb|CAB43915.1| (AL078470) AIM1 protein [Arabidopsis thaliana] gi|7269799|emb|CAB79659.1| (AL161574) AIM1 protein [Arabidopsis thaliana]		
Seq. No.	48097	Seq. ID	OJ000315_05.0411.C3
Gene No.	102386	Strand	-
Start	1	End	1522
Name	OJ000315_05.0411.C3.o1.tm	Method	TBLASTX:Maize
Start	84	End	1368
GI	none	Score	339
Exons	84..380, 86..382, 86..388, 744..806, 744..812, 745..807, 752..823, 901..996, 910..996, 912..1007, 1090..1161, 1091..1162, 1315..1368, 1316..1366		
Seq. No.	48097	Seq. ID	OJ000315_05.0411.C3
Gene No.	102386	Strand	-
Start	1	End	1522
Name	OJ000315_05.0411.C3.o1.ts	Method	TBLASTX:Soybean
Start	84	End	386
GI	none	Score	174
Exons	84..386, 84..230, 86..385		
Seq. No.	48097	Seq. ID	OJ000315_05.0411.C3
Gene No.	102386	Strand	-
Start	1	End	1522
Name	OJ000315_05.0411.C3.o1.tc	Method	TBLASTX:Cress
Start	86	End	1212
GI	none	Score	78
Exons	86..385, 213..386, 744..812, 754..807, 910..993, 912..1007, 1090..1212		
Seq. No.	48097	Seq. ID	OJ000315_05.0411.C3
Gene No.	102386	Strand	-
Start	1	End	1522
Name	OJ000315_05.0411.C3.o1.gs	Method	GENSCAN
Start	86	End	1163
GI	none	Score	.59

Exons	86..388, 750..805, 914..995, 1096..1163		
Seq. No.	48097	Seq. ID	OJ000315_05.0411.C3
Gene No.	102386	Strand	-
Start	1	End	1522
Name	OJ000315_05.0411.C3.o1.gp	Method	AAT/GAP
Start	205	End	1393
GI	62205_1.R1084	Score	706
Exons	205..388, 750..805, 914..995, 1096..1163, 1314..1393		
GI Descrip.	'4337025/gb|AAD18041| 1.0e-35 (AF123253) AIM1 protein [Arabidopsis thaliana] >gi_4972047_emb_CAB43915.1_ (AL078470) AIM1 protein [Arabidopsis thaliana]'		
Seq. No.	48097	Seq. ID	OJ000315_05.0411.C3
Gene No.	102386	Strand	-
Start	1	End	1522
Name	OJ000315_05.0411.C3.o2.ts	Method	TBLASTX:Soybean
Start	744	End	1174
GI	none	Score	40
Exons	744..812, 751..807, 910..987, 912..1007, 1091..1174		
Seq. No.	48098	Seq. ID	OJ000315_05.0411.C4
Gene No.	102387	Strand	-
Start	1	End	929
Name	OJ000315_05.0411.C4.o1.np	Method	AAT/NAP
Start	1	End	759
GI	7436974	Score	115
Exons	1..24, 464..551, 663..759		
GI Descrip.	AIM1 protein - Arabidopsis thaliana gi|4337025|gb|AAD18041.1| (AF123253) AIM1 protein [Arabidopsis thaliana] gi|4972047|emb|CAB43915.1| (AL078470) AIM1 protein [Arabidopsis thaliana] gi|7269799|emb|CAB79659.1| (AL161574) AIM1 protein [Arabidopsis thaliana]		
Seq. No.	48098	Seq. ID	OJ000315_05.0411.C4
Gene No.	102387	Strand	-
Start	1	End	929
Name	OJ000315_05.0411.C4.o1.gs	Method	GENSCAN
Start	73	End	759
GI	none	Score	.72
Exons	73..257, 480..551, 663..759		
Seq. No.	48098	Seq. ID	OJ000315_05.0411.C4
Gene No.	102387	Strand	-
Start	1	End	929
Name	OJ000315_05.0411.C4.o1.gp	Method	AAT/GAP
Start	276	End	929
GI	68147_1.R1084	Score	634
Exons	276..297, 474..551, 663..929		
GI Descrip.	'4337025/gb|AAD18041| 2.0e-22 (AF123253) AIM1 protein [Arabidopsis thaliana] >gi_4972047_emb_CAB43915.1_ (AL078470) AIM1 protein [Arabidopsis thaliana]'		
Seq. No.	48098	Seq. ID	OJ000315_05.0411.C4
Gene No.	102388	Strand	-
Start	2518	End	6395
Name	OJ000315_05.0411.C4.o1.tw	Method	TBLASTX:Wheat

Start	472	End	760
GI	none	Score	109
Exons	472..591, 473..559, 659..760,	666..758,	670..759

Seq. No.	48098	Seq. ID	OJ000315_05.0411.C4
Gene No.	102388	Strand	-
Start	2518	End	6395
Name	OJ000315_05.0411.C4.o1.tm	Method	TBLASTX:Maize
Start	478	End	757
GI	none	Score	90
Exons	478..552, 478..564, 659..757,	670..756	

Seq. No.	48098	Seq. ID	OJ000315_05.0411.C4
Gene No.	102388	Strand	-
Start	2518	End	6395
Name	OJ000315_05.0411.C4.o2.gs	Method	GENSCAN
Start	2518	End	6392
GI	none	Score	.42
Exons	2518..2751, 4169..4347, 4543..4674, 4759..4840, 6319..6392		

Seq. No.	48098	Seq. ID	OJ000315_05.0411.C4
Gene No.	102388	Strand	-
Start	2518	End	6395
Name	OJ000315_05.0411.C4.o2.tm	Method	TBLASTX:Maize
Start	4436	End	6395
GI	none	Score	155
Exons	4436..4675, 4438..4677, 4618..4677, 4772..4843, 4782..4841, 4783..4881, 6318..6395		

Seq. No.	48099	Seq. ID	OJ000315_05.0411.C5
Gene No.	102389	Strand	+
Start	1213	End	1407
Name	OJ000315_05.0411.C5.o1.gs	Method	GENSCAN
Start	1213	End	1407
GI	none	Score	.57
Exons	1213..1407		

Seq. No.	48099	Seq. ID	OJ000315_05.0411.C5
Gene No.	102390	Strand	+
Start	9618	End	12028
Name	OJ000315_05.0411.C5.o1.np	Method	AAT/NAP
Start	9515	End	11913
GI	4263696	Score	783
Exons	9515..9657, 10094..10327, 10529..11219,	11742..11913	
GI Descrip.	(AC006223) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48099	Seq. ID	OJ000315_05.0411.C5
Gene No.	102390	Strand	+
Start	9618	End	12028
Name	OJ000315_05.0411.C5.o3.gs	Method	GENSCAN
Start	9618	End	12028
GI	none	Score	.73
Exons	9618..11219, 11742..11826, 11891..12028		

Seq. No.	48099	Seq. ID	OJ000315_05.0411.C5
Gene No.	102390	Strand	+
Start	9618	End	12028

Name	OJ000315_05.0411.C5.o2.gp	Method	AAT/GAP
Start	10398	End	10813
GI	LIB3431-004-P1-K1-F9	Score	786
Exons	10398..10813		
GI Descrip.	'4263696/gb|AAD15382| 9.0e-21 (AC006223) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48099	Seq. ID	OJ000315_05.0411.C5
Gene No.	102391	Strand	-
Start	208	End	1432
Name	OJ000315_05.0411.C5.o1.gp	Method	AAT/GAP
Start	208	End	1432
GI	16843_1.R1084	Score	534
Exons	208..316, 1209..1432		
GI Descrip.	'2760325 2.0e-17 (AC002130) F1N21.10 [Arabidopsis thaliana]'		

Seq. No.	48099	Seq. ID	OJ000315_05.0411.C5
Gene No.	102392	Strand	
Start	10164	End	11003
Name	OJ000315_05.0411.C5.o1.ts	Method	TBLASTX:Soybean
Start	10164	End	11003
GI	none	Score	96
Exons	10164..10286, 10485..10559, 10572..11003, 10587..10904, 10589..10978		

Seq. No.	48099	Seq. ID	OJ000315_05.0411.C5
Gene No.	102393	Strand	
Start	10967	End	12101
Name	OJ000315_05.0411.C5.o1.tm	Method	TBLASTX:Maize
Start	10967	End	12101
GI	none	Score	188
Exons	10967..11152, 10967..11008, 10968..11012, 11002..11106, 11051..11137, 11111..11209, 11126..11182, 11127..11219, 11127..11219, 11158..11229, 11727..11831, 11740..11832, 11741..11830, 11914..12099, 11919..12101, 11919..12098, 11924..12100		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102394	Strand	+
Start	1	End	1575
Name	OJ000315_05.0411.C7.o1.gp	Method	AAT/GAP
Start	1	End	1575
GI	12999_1.R1084	Score	1048
Exons	1..52, 633..771, 1223..1575		
GI Descrip.	'4337025/gb|AAD18041| 1.0e-169 (AF123253) AIM1 protein [Arabidopsis thaliana] >gi_4972047_emb_CAB43915.1_ (AL078470) AIM1 protein [Arabidopsis thaliana]'		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102394	Strand	+
Start	1	End	1575
Name	OJ000315_05.0411.C7.o1.np	Method	AAT/NAP
Start	1	End	804
GI	7436975	Score	177
Exons	1..52, 633..804		
GI Descrip.	tetrafunctional protein precursor, glyoxysomal - rape gi|2832898|emb|CAA04386.1| (AJ000886) Tetrafunctional protein of		

glyoxysomal fatty acid beta-oxidation [Brassica napus]

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102395	Strand	+
Start	7876	End	9106
Name	OJ000315_05.0411.C7.o3.gs	Method	GENSCAN
Start	7876	End	9106
GI	none	Score	.85
Exons	7876..8015, 8640..8716, 9051..9106		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102396	Strand	+
Start	11973	End	16779
Name	OJ000315_05.0411.C7.o5.gs	Method	GENSCAN
Start	11973	End	16779
GI	none	Score	.77
Exons	11973..12135, 12434..12617, 13045..13356, 13527..14157, 14176..14611, 14911..16317, 16358..16779		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102396	Strand	+
Start	11973	End	16779
Name	OJ000315_05.0411.C7.o3.np	Method	AAT/NAP
Start	13546	End	16776
GI	6907089	Score	4261
Exons	13546..14807, 14911..16776		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102397	Strand	+
Start	30232	End	33506
Name	OJ000315_05.0411.C7.o7.np	Method	AAT/NAP
Start	30232	End	31732
GI	7363272	Score	232
Exons	30232..30299, 31045..31732		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102397	Strand	+
Start	30232	End	33506
Name	OJ000315_05.0411.C7.o8.gs	Method	GENSCAN
Start	31560	End	33506
GI	none	Score	.92
Exons	31560..31610, 31875..31995, 32726..32897, 32939..33506		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102398	Strand	-
Start	2138	End	5020
Name	OJ000315_05.0411.C7.o2.gs	Method	GENSCAN
Start	2138	End	5020
GI	none	Score	.76
Exons	2138..5020		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102398	Strand	-
Start	2138	End	5020
Name	OJ000315_05.0411.C7.o2.np	Method	AAT/NAP

Start	2156	End	5014
GI	5739323	Score	1467
Exons	2156..3641, 3789..5014		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102399	Strand	-
Start	11001	End	11372
Name	OJ000315_05.0411.C7.o4.gs	Method	GENSCAN
Start	11001	End	11372
GI	none	Score	.92
Exons	11001..11372		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102400	Strand	-
Start	17410	End	23327
Name	OJ000315_05.0411.C7.o4.np	Method	AAT/NAP
Start	17410	End	23327
GI	7228457	Score	8466
Exons	17410..18960, 19027..19986, 20109..20944, 21008..22899, 22961..23327		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102401	Strand	-
Start	27013	End	33037
Name	OJ000315_05.0411.C7.o5.np	Method	AAT/NAP
Start	27013	End	28742
GI	6721561	Score	936
Exons	27013..27775, 27856..27914, 27985..28170, 28673..28742		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102401	Strand	-
Start	27013	End	33037
Name	OJ000315_05.0411.C7.o7.gs	Method	GENSCAN
Start	27322	End	30412
GI	none	Score	.71
Exons	27322..27727, 27856..27914, 27985..28173, 28242..28366, 28449..28535, 29541..29699, 30349..30412		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102401	Strand	-
Start	27013	End	33037
Name	OJ000315_05.0411.C7.o6.np	Method	AAT/NAP
Start	28015	End	32289
GI	5852181	Score	147
Exons	28015..28173, 28785..29030, 32261..32289		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102401	Strand	-
Start	27013	End	33037
Name	OJ000315_05.0411.C7.o8.np	Method	AAT/NAP
Start	31101	End	31984
GI	5306245	Score	193
Exons	31101..31984		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102401	Strand	-
Start	27013	End	33037
Name	OJ000315_05.0411.C7.o9.np	Method	AAT/NAP
Start	31146	End	33037
GI	5902448	Score	95
Exons	31146..31165, 32710..33037		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102402	Strand	-
Start	33758	End	33969
Name	OJ000315_05.0411.C7.o10.np	Method	AAT/NAP
Start	33758	End	33969
GI	6721512	Score	70
Exons	33758..33829, 33857..33969		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o10.tw	Method	TBLASTX:Wheat
Start	1	End	771
GI	none	Score	79
Exons	1..48, 3..53, 5..52, 6..83, 627..770, 631..771, 661..771		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o5.tm	Method	TBLASTX:Maize
Start	2	End	771
GI	none	Score	82
Exons	2..52, 3..53, 627..770, 627..770, 631..771, 661..771		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o1.tc	Method	TBLASTX:Cress
Start	2426	End	4720
GI	none	Score	60
Exons	2426..2458, 2477..2725, 2489..2620, 2499..2660, 2564..2764, 2564..2695, 2564..2767, 2564..2755, 2564..2755, 2564..2746, 2564..2746, 2564..2746, 2567..2746, 2576..2746, 2618..2746, 2699..2755, 2700..2750, 2873..3010, 2873..2998, 2882..3043, 2882..3037, 2888..2992, 2894..3046, 2900..2962, 2906..3046, 2915..3034, 3047..3157, 3050..3181, 3050..3181, 3053..3154, 3062..3172, 3062..3172, 3062..3184, 3212..3334, 3215..3385, 3425..3502, 3476..3643, 3566..3976, 3704..3910, 3779..3979,		

3779..3949, 3782..3979, 3782..3979, 3782..3967, 3785..3976,
3788..3991, 3788..3976, 3839..3976, 3857..3907, 3998..4162,
4019..4207, 4037..4378, 4070..4246, 4085..4198, 4086..4271,
4241..4315, 4484..4615, 4487..4615, 4487..4627, 4487..4615,
4487..4615, 4523..4585, 4640..4720, 4640..4678, 4640..4714

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o1.ts	Method	TBLASTX:Soybean
Start	2468	End	4720
GI	none	Score	45
Exons	2468..2746, 2492..2755, 2564..2794, 2564..2689, 2567..2749, 2897..3100, 2909..3043, 3017..3181, 3428..3529, 3713..3997, 3782..3904, 3806..3967, 3908..3985, 4019..4207, 4025..4198, 4034..4378, 4484..4615, 4487..4618, 4487..4618, 4640..4720		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o7.tw	Method	TBLASTX:Wheat
Start	2567	End	4219
GI	none	Score	93
Exons	2567..2746, 2888..2953, 3782..3895, 3809..4198, 3810..4196, 4058..4207, 4103..4219		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o4.tm	Method	TBLASTX:Maize
Start	2597	End	4207
GI	none	Score	90
Exons	2597..2815, 2598..2795, 2888..3100, 4049..4207		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o6.tw	Method	TBLASTX:Wheat
Start	17419	End	18021
GI	none	Score	71
Exons	17419..17544, 17423..17545, 17731..18021, 17732..18016		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o3.tw	Method	TBLASTX:Wheat
Start	18022	End	18403
GI	none	Score	237
Exons	18022..18402, 18053..18403		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o2.tm	Method	TBLASTX:Maize
Start	18208	End	18540
GI	none	Score	83
Exons	18208..18420, 18217..18540, 18230..18511		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o11.tw	Method	TBLASTX:Wheat
Start	18742	End	32877
GI	none	Score	60
Exons	18742..18993, 18947..19045, 32737..32877		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o3.ts	Method	TBLASTX:Soybean
Start	18793	End	19359
GI	5666795	Score	68
Exons	18793..18993, 19048..19185, 19261..19359		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o5.tw	Method	TBLASTX:Wheat
Start	19048	End	19506
GI	none	Score	88
Exons	19048..19197, 19049..19186, 19241..19417, 19258..19482, 19285..19506		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o9.tw	Method	TBLASTX:Wheat
Start	19864	End	20151
GI	none	Score	238
Exons	19864..20151		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o2.ts	Method	TBLASTX:Soybean
Start	19915	End	20287
GI	none	Score	83
Exons	19915..20145, 20141..20287, 20145..20270		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o3.tm	Method	TBLASTX:Maize
Start	20038	End	20423
GI	none	Score	200
Exons	20038..20232, 20144..20422, 20145..20423		

Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o4.tw	Method	TBLASTX:Wheat
Start	20162	End	20473
GI	none	Score	186

Exons	20162..20473, 20175..20465		
Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o1.tm	Method	TBLASTX:Maize
Start	20450	End	20806
GI	none	Score	73
Exons	20450..20566, 20450..20806, 20460..20771		
Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o1.tw	Method	TBLASTX:Wheat
Start	20474	End	20936
GI	none	Score	218
Exons	20474..20935, 20480..20935, 20481..20936		
Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o4.ts	Method	TBLASTX:Soybean
Start	20531	End	20896
GI	none	Score	118
Exons	20531..20665, 20672..20896		
Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o2.tw	Method	TBLASTX:Wheat
Start	21101	End	21587
GI	none	Score	166
Exons	21101..21586, 21132..21392, 21414..21587		
Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o8.tw	Method	TBLASTX:Wheat
Start	22325	End	22670
GI	none	Score	77
Exons	22325..22516, 22362..22517, 22521..22619, 22522..22602, 22626..22670		
Seq. No.	48100	Seq. ID	OJ000315_05.0411.C7
Gene No.	102403	Strand	-
Start	34096	End	35273
Name	OJ000315_05.0411.C7.o9.gs	Method	GENSCAN
Start	34096	End	35273
GI	none	Score	.51
Exons	34096..34115, 34893..35273		
Seq. No.	48101	Seq. ID	OJ000315_05.0411.C8
Gene No.	102404	Strand	-
Start	1	End	2657
Name	OJ000315_05.0411.C8.o1.np	Method	AAT/NAP
Start	1	End	2657
GI	7485749	Score	517

Exons	1..36, 596..922, 1756..1933, 2577..2657		
GI Descrip.	hypothetical protein F19B15.30 - Arabidopsis thaliana gi|4972046|emb|CAB43914.1| (AL078470) putative transcription factor [Arabidopsis thaliana] gi|7269798|emb|CAB79658.1| (AL161574) putative transcription factor [Arabidopsis thaliana]		
Seq. No.	48101	Seq. ID	OJ000315_05.0411.C8
Gene No.	102404	Strand	-
Start	1	End	2657
Name	OJ000315_05.0411.C8.o1.gs	Method	GENSCAN
Start	409	End	1933
GI	none	Score	.44
Exons	409..509, 581..805, 1756..1933		
Seq. No.	48101	Seq. ID	OJ000315_05.0411.C8
Gene No.	102404	Strand	-
Start	1	End	2657
Name	OJ000315_05.0411.C8.o1.ts	Method	TBLASTX:Soybean
Start	666	End	869
GI	none	Score	50
Exons	666..707, 749..868, 750..869		
Seq. No.	48101	Seq. ID	OJ000315_05.0411.C8
Gene No.	102404	Strand	-
Start	1	End	2657
Name	OJ000315_05.0411.C8.o1.tm	Method	TBLASTX:Maize
Start	674	End	923
GI	none	Score	42
Exons	674..739, 743..916, 758..904, 762..923		
Seq. No.	48101	Seq. ID	OJ000315_05.0411.C8
Gene No.	102404	Strand	-
Start	1	End	2657
Name	OJ000315_05.0411.C8.o1.tc	Method	TBLASTX:Cress
Start	812	End	2656
GI	none	Score	116
Exons	812..919, 851..892, 1771..1932, 1774..1932, 1778..1933, 2576..2656		
Seq. No.	48101	Seq. ID	OJ000315_05.0411.C8
Gene No.	102404	Strand	-
Start	1	End	2657
Name	OJ000315_05.0411.C8.o2.tm	Method	TBLASTX:Maize
Start	1755	End	2614
GI	none	Score	148
Exons	1755..1931, 1756..1932, 1756..1932, 1842..1934, 2576..2614		
Seq. No.	48102	Seq. ID	OJ000315_05.0411.C9
Gene No.	102405	Strand	+
Start	3638	End	4195
Name	OJ000315_05.0411.C9.o1.gp	Method	AAT/GAP
Start	3638	End	4195
GI	none	Score	1091
Exons	3638..4195		
Seq. No.	48102	Seq. ID	OJ000315_05.0411.C9
Gene No.	102406	Strand	+

Start	5693	End	8198
Name	OJ000315_05.0411.C9.o2.np	Method	AAT/NAP
Start	5693	End	8198
GI	7485747	Score	168
Exons	5693..5716, 7181..7332, 7372..7425, 7526..7603, 7652..7792, 7823..8004, 8035..8198		
GI Descrip.	hypothetical protein F19B15.20 - Arabidopsis thaliana gi|4972045|emb|CAB43913.1| (AL078470) putative protein [Arabidopsis thaliana] gi|7269797|emb|CAB79657.1| (AL161574) putative protein [Arabidopsis thaliana]		

Seq. No.	48102	Seq. ID	OJ000315_05.0411.C9
Gene No.	102406	Strand	+
Start	5693	End	8198
Name	OJ000315_05.0411.C9.o2.gp	Method	AAT/GAP
Start	7271	End	7766
GI	LIB3433-019-P1-K1-H5	Score	748
Exons	7271..7425, 7526..7766		
GI Descrip.	'4972045/emb|CAB43913.1| 1.0e-17 (AL078470) putative protein [Arabidopsis thaliana]'		

Seq. No.	48102	Seq. ID	OJ000315_05.0411.C9
Gene No.	102407	Strand	-
Start	881	End	3366
Name	OJ000315_05.0411.C9.o1.gs	Method	GENSCAN
Start	881	End	2423
GI	none	Score	.76
Exons	881..1003, 1170..1248, 2092..2423		

Seq. No.	48102	Seq. ID	OJ000315_05.0411.C9
Gene No.	102407	Strand	-
Start	881	End	3366
Name	OJ000315_05.0411.C9.o1.np	Method	AAT/NAP
Start	1945	End	3366
GI	7378766	Score	378
Exons	1945..2432, 2711..2772, 3227..3366		
GI Descrip.	(AJ277097) putative kinetochore protein [Hordeum vulgare]		

Seq. No.	48102	Seq. ID	OJ000315_05.0411.C9
Gene No.	102408	Strand	-
Start	8010	End	8357
Name	OJ000315_05.0411.C9.o1.tc	Method	TBLASTX:Cress
Start	2083	End	2519
GI	none	Score	179
Exons	2083..2334, 2085..2375, 2121..2369, 2365..2415, 2375..2404, 2433..2516, 2490..2519		

Seq. No.	48102	Seq. ID	OJ000315_05.0411.C9
Gene No.	102408	Strand	-
Start	8010	End	8357
Name	OJ000315_05.0411.C9.o2.tm	Method	TBLASTX:Maize
Start	2154	End	2415
GI	none	Score	218
Exons	2154..2375, 2155..2376, 2365..2415, 2369..2404		

Seq. No.	48102	Seq. ID	OJ000315_05.0411.C9
Gene No.	102408	Strand	-

Start	8010	End	8357
Name	OJ000315_05.0411.C9.o1.ts	Method	TBLASTX:Soybean
Start	2199	End	2415
GI	none	Score	135
Exons	2199..2375, 2200..2373, 2365..2415, 2369..2404		

Seq. No.	48102	Seq. ID	OJ000315_05.0411.C9
Gene No.	102408	Strand	-
Start	8010	End	8357
Name	OJ000315_05.0411.C9.o1.tm	Method	TBLASTX:Maize
Start	7133	End	8329
GI	none	Score	35
Exons	7133..7189, 7181..7267, 7224..7328, 7232..7330, 7316..7420, 7317..7418, 7319..7423, 7333..7440, 7518..7586, 7524..7589, 7531..7590, 7644..7751, 7656..7739, 7685..7750, 7755..7880, 7920..8045, 7922..8023, 7983..8180, 8024..8107, 8044..8175, 8157..8249, 8161..8223, 8249..8329		

Seq. No.	48102	Seq. ID	OJ000315_05.0411.C9
Gene No.	102408	Strand	-
Start	8010	End	8357
Name	OJ000315_05.0411.C9.o3.gp	Method	AAT/GAP
Start	8010	End	8357
GI	none	Score	692
Exons	8010..8357		

Seq. No.	48103	Seq. ID	OJ000315_05.0411.C11
Gene No.	102409	Strand	-
Start	1840	End	1890
Name	OJ000315_05.0411.C11.o1.gs	Method	GENSCAN
Start	1840	End	1890
GI	none	Score	.61
Exons	1840..1890		

Seq. No.	48104	Seq. ID	OJ000315_05.0411.C12
Gene No.	102410	Strand	+
Start	120	End	2531
Name	OJ000315_05.0411.C12.o1.gs	Method	GENSCAN
Start	120	End	2531
GI	none	Score	.73
Exons	120..289, 834..920, 1738..1852, 1886..1976, 2113..2531		

Seq. No.	48104	Seq. ID	OJ000315_05.0411.C12
Gene No.	102411	Strand	-
Start	2819	End	3690
Name	OJ000315_05.0411.C12.o2.gs	Method	GENSCAN
Start	2819	End	3690
GI	none	Score	.63
Exons	2819..2878, 2883..3690		

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498
Name	OJ000315_05.0411.C13.o1.np	Method	AAT/NAP
Start	1	End	2800
GI	6498436	Score	435
Exons	1..24, 2067..2415, 2679..2800		

GI Descrip. (AP000815) hypothetical protein [Oryza sativa]

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498
Name	OJ000315_05.0411.C13.o1.gs	Method	GENSCAN
Start	276	End	11692
GI	none	Score	.76
Exons	276..333, 2103..2339, 2679..2723, 2804..2907, 3198..3332, 4003..4074, 4365..4511, 4533..4648, 5130..5157, 6427..6512, 6671..6819, 6921..7017, 7116..7183, 7259..7391, 9043..9136, 9833..9986, 10095..10238, 10334..10407, 10481..10569, 11343..11457, 11684..11692		

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498
Name	OJ000315_05.0411.C13.o1.gp	Method	AAT/GAP
Start	6351	End	6965
GI	none	Score	520
Exons	6351..6512, 6733..6819, 6921..6965		

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498
Name	OJ000315_05.0411.C13.o2.tm	Method	TBLASTX:Maize
Start	6716	End	8927
GI	none	Score	115
Exons	6716..6817, 6732..6818, 6765..6818, 6781..6831, 6934..7143, 6935..7024, 7116..7184, 7117..7185, 7223..7390, 7248..7391, 7251..7322, 7258..7389, 7261..7398, 7265..7390, 8638..8742, 8639..8743, 8643..8750, 8822..8920, 8841..8927, 8841..8915, 8843..8917		

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498
Name	OJ000315_05.0411.C13.o2.np	Method	AAT/NAP
Start	6724	End	12395
GI	6453876	Score	1143
Exons	6724..6806, 7069..7183, 7259..7391, 8641..8740, 8844..8956, 9043..9136, 9833..9986, 10095..10238, 10334..10407, 10481..10569, 11343..11457, 12213..12395		

GI Descrip. (AC011717) putative sugar transporter [Arabidopsis thaliana]

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498
Name	OJ000315_05.0411.C13.o2.ts	Method	TBLASTX:Soybean
Start	6943	End	7326
GI	none	Score	100
Exons	6943..7023, 6944..7024, 7116..7184, 7117..7185, 7257..7316, 7257..7325, 7258..7326		

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498

Name	OJ000315_05.0411.C13.o2.gp	Method	AAT/GAP
Start	7099	End	8955
GI	LIB3434-005-P1-K1-F2	Score	752
Exons	7099..7183, 7259..7391, 8641..8740, 8844..8955		
GI Descrip.	'2760325 5.0e-56 (AC002130) F1N21.10 [Arabidopsis thaliana]'		

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498
Name	OJ000315_05.0411.C13.o1.tc	Method	TBLASTX:Cress
Start	7156	End	9937
GI	none	Score	47
Exons	7156..7185, 7258..7293, 7288..7344, 7345..7389, 8638..8742, 8639..8743, 8841..8957, 8843..8980, 9043..9135, 9044..9136, 9836..9937		

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498
Name	OJ000315_05.0411.C13.o1.ts	Method	TBLASTX:Soybean
Start	7327	End	12383
GI	none	Score	88
Exons	7327..7389, 8638..8742, 8639..8743, 8837..8941, 8841..8957, 8843..8980, 9036..9128, 9043..9135, 9044..9136, 9830..9988, 9835..9990, 9836..9979, 9946..9990, 10115..10294, 10132..10239, 10327..10407, 10332..10412, 10481..10585, 10487..10597, 11338..11469, 11338..11460, 11343..11462, 12189..12341, 12212..12382, 12213..12383		

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498
Name	OJ000315_05.0411.C13.o3.gp	Method	AAT/GAP
Start	9872	End	10531
GI	uC-osf1M202062b07b1	Score	921
Exons	9872..10238, 10334..10407, 10481..10531		
GI Descrip.	'2760325 4.0e-29 (AC002130) F1N21.10 [Arabidopsis thaliana]'		

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498
Name	OJ000315_05.0411.C13.o1.tm	Method	TBLASTX:Maize
Start	9950	End	10585
GI	none	Score	89
Exons	9950..10015, 9952..9996, 10005..10031, 10035..10088, 10037..10087, 10075..10239, 10079..10249, 10327..10407, 10332..10406, 10456..10566, 10468..10584, 10481..10585		

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498
Name	OJ000315_05.0411.C13.o3.tm	Method	TBLASTX:Maize
Start	11343	End	12410
GI	none	Score	85
Exons	11343..11468, 11343..11456, 11344..11469, 12213..12398, 12215..12400, 12216..12410, 12218..12406, 12226..12408		

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498
Name	OJ000315_05.0411.C13.o2.tc	Method	TBLASTX:Cress
Start	11425	End	12401
GI	none	Score	64
Exons	11425..11469, 12204..12377, 12206..12400, 12212..12400, 12213..12401		

Seq. No.	48105	Seq. ID	OJ000315_05.0411.C13
Gene No.	102412	Strand	+
Start	1	End	12498
Name	OJ000315_05.0411.C13.o4.gp	Method	AAT/GAP
Start	12148	End	12498
GI	2312244	Score	626
Exons	12148..12498		
GI Descrip.	2760325 2.0e-17 (AC002130) F1N21.10 [Arabidopsis thaliana]		

Seq. No.	48106	Seq. ID	OJ000315_03.0411.C3
Gene No.	102413	Strand	-
Start	566	End	2337
Name	OJ000315_03.0411.C3.o1.gs	Method	GENSCAN
Start	566	End	2337
GI	none	Score	.46
Exons	566..628, 698..824, 1850..1935, 2233..2337		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102414	Strand	+
Start	3796	End	5540
Name	OJ000315_03.0411.C5.o2.gs	Method	GENSCAN
Start	3796	End	5540
GI	none	Score	.53
Exons	3796..3819, 3920..4102, 4520..4731, 4790..4971, 5530..5540		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102415	Strand	+
Start	12406	End	12569
Name	OJ000315_03.0411.C5.o1.gp	Method	AAT/GAP
Start	12406	End	12569
GI	3683_1.R1084	Score	185
Exons	12406..12569		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102416	Strand	+
Start	13697	End	15940
Name	OJ000315_03.0411.C5.o2.np	Method	AAT/NAP
Start	13697	End	15940
GI	2213600	Score	1299
Exons	13697..14466, 14977..15940		
GI Descrip.	(AC000348) T7N9.20 [Arabidopsis thaliana]		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102416	Strand	+
Start	13697	End	15940
Name	OJ000315_03.0411.C5.o2.gp	Method	AAT/GAP

Start	13791	End	14251
GI	uC-osflcyp026c05b1	Score	858
Exons	13791..14251		
GI Descrip.	'2213600 1.0e-27 (AC000348) T7N9.20 [Arabidopsis thaliana]'		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102416	Strand	+
Start	13697	End	15940
Name	OJ000315_03.0411.C5.o3.gp	Method	AAT/GAP
Start	15623	End	15940
GI	uC-osflcyp174b06b1	Score	620
Exons	15623..15940		
GI Descrip.	'2213600 3.0e-33 (AC000348) T7N9.20 [Arabidopsis thaliana]'		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102417	Strand	-
Start	32	End	3467
Name	OJ000315_03.0411.C5.o1.gs	Method	GENSCAN
Start	32	End	3467
GI	none	Score	.91
Exons	32..1081, 1237..1352, 1444..1483, 1641..1760, 2116..2319, 2380..2635, 2713..3467		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102418	Strand	-
Start	7385	End	9168
Name	OJ000315_03.0411.C5.o3.tm	Method	TBLASTX:Maize
Start	2182	End	8624
GI	none	Score	67
Exons	2182..2316, 2377..2478, 2530..2637, 2537..2638, 2713..2988, 2715..3002, 3048..3080, 3086..3121, 7531..7686, 8145..8234, 8253..8624, 8260..8604		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102418	Strand	-
Start	7385	End	9168
Name	OJ000315_03.0411.C5.o3.ts	Method	TBLASTX:Soybean
Start	2428	End	8630
GI	none	Score	51
Exons	2428..2469, 2530..2637, 2531..2638, 2713..2976, 2715..3002, 8151..8240, 8253..8630, 8254..8523		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102418	Strand	-
Start	7385	End	9168
Name	OJ000315_03.0411.C5.o2.tc	Method	TBLASTX:Cress
Start	2437	End	8976
GI	none	Score	38
Exons	2437..2637, 2531..2638, 2713..2979, 2715..3002, 3048..3185, 3192..3239, 3345..3377, 7519..7683, 8160..8648, 8161..8283, 8320..8553, 8920..8976		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102418	Strand	-
Start	7385	End	9168
Name	OJ000315_03.0411.C5.o3.gs	Method	GENSCAN
Start	7385	End	9168

GI	none	Score	.91
Exons	7385..7600, 7618..7686, 8130..8648, 8734..9168		
Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102418	Strand	-
Start	7385	End	9168
Name	OJ000315_03.0411.C5.o1.np	Method	AAT/NAP
Start	7453	End	9168
GI	1575705	Score	809
Exons	7453..7686, 8130..8630, 8716..9168		
GI Descrip.	(U70480) abscission polygalacturonase [Lycopersicon esculentum] gi|2459813|gb|AAC28904.1| (AF001001) polygalacturonase 2 [Lycopersicon esculentum]		
Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102419	Strand	
Start	13643	End	14281
Name	OJ000315_03.0411.C5.o2.tm	Method	TBLASTX:Maize
Start	13643	End	14266
GI	none	Score	782
Exons	13643..14260, 13655..14257, 13659..14258, 13687..14259, 14162..14266		
Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102419	Strand	
Start	13643	End	14281
Name	OJ000315_03.0411.C5.o2.ts	Method	TBLASTX:Soybean
Start	13718	End	14281
GI	none	Score	68
Exons	13718..13816, 13835..14281, 13835..14017, 13858..14250		
Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102419	Strand	
Start	13643	End	14281
Name	OJ000315_03.0411.C5.o5.tc	Method	TBLASTX:Cress
Start	13835	End	14086
GI	none	Score	196
Exons	13835..14086, 13957..14079		
Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102420	Strand	
Start	14362	End	15939
Name	OJ000315_03.0411.C5.o1.tm	Method	TBLASTX:Maize
Start	14362	End	15770
GI	none	Score	196
Exons	14362..14523, 14363..14440, 15037..15768, 15037..15768, 15039..15770		
Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102420	Strand	
Start	14362	End	15939
Name	OJ000315_03.0411.C5.o3.tc	Method	TBLASTX:Cress
Start	15007	End	15351
GI	none	Score	268
Exons	15007..15333, 15037..15351		
Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5

Gene No.	102420	Strand	
Start	14362	End	15939
Name	OJ000315_03.0411.C5.o1.ts	Method	TBLASTX:Soybean
Start	15031	End	15939
GI	none	Score	316
Exons	15031..15351, 15034..15366, 15054..15362, 15366..15557, 15385..15558, 15582..15668, 15583..15939, 15586..15927		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102420	Strand	
Start	14362	End	15939
Name	OJ000315_03.0411.C5.o1.tc	Method	TBLASTX:Cress
Start	15381	End	15741
GI	none	Score	71
Exons	15381..15503, 15382..15660, 15389..15703, 15390..15656, 15658..15741		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102420	Strand	
Start	14362	End	15939
Name	OJ000315_03.0411.C5.o1.tw	Method	TBLASTX:Wheat
Start	15387	End	15741
GI	none	Score	202
Exons	15387..15605, 15388..15606, 15597..15677, 15604..15741		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102420	Strand	
Start	14362	End	15939
Name	OJ000315_03.0411.C5.o4.tc	Method	TBLASTX:Cress
Start	15745	End	15936
GI	none	Score	206
Exons	15745..15936		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102420	Strand	
Start	14362	End	15939
Name	OJ000315_03.0411.C5.o4.tm	Method	TBLASTX:Maize
Start	15771	End	15939
GI	none	Score	215
Exons	15771..15938, 15772..15939, 15775..15939		

Seq. No.	48107	Seq. ID	OJ000315_03.0411.C5
Gene No.	102420	Strand	
Start	14362	End	15939
Name	OJ000315_03.0411.C5.o2.tw	Method	TBLASTX:Wheat
Start	15815	End	15939
GI	none	Score	99
Exons	15815..15928, 15815..15934, 15816..15938, 15817..15939		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102421	Strand	+
Start	1584	End	1833
Name	OJ000315_03.0411.C6.o2.gp	Method	AAT/GAP
Start	1584	End	1833
GI	none	Score	448
Exons	1584..1833		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102422	Strand	+
Start	6116	End	7867
Name	OJ000315_03.0411.C6.o2.gs	Method	GENSCAN
Start	6116	End	7867
GI	none	Score	.6
Exons	6116..6165, 6724..6938, 6959..7127, 7133..7368, 7469..7786, 7818..7867		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102423	Strand	+
Start	11869	End	15235
Name	OJ000315_03.0411.C6.o3.gs	Method	GENSCAN
Start	11869	End	15235
GI	none	Score	.58
Exons	11869..11963, 12830..12968, 13333..13501, 13651..13775, 13843..14031, 14137..14159, 14243..14340, 14470..14879, 15113..15235		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102423	Strand	+
Start	11869	End	15235
Name	OJ000315_03.0411.C6.o2.np	Method	AAT/NAP
Start	13661	End	15008
GI	6721561	Score	1136
Exons	13661..13732, 13846..14031, 14101..14159, 14243..15008		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102424	Strand	+
Start	23540	End	30208
Name	OJ000315_03.0411.C6.o4.np	Method	AAT/NAP
Start	23540	End	30208
GI	5295955	Score	253
Exons	23540..23560, 26974..27101, 28048..28404, 28498..29057, 30112..30208		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102424	Strand	+
Start	23540	End	30208
Name	OJ000315_03.0411.C6.o6.gp	Method	AAT/GAP
Start	23674	End	24433
GI	5816562	Score	630
Exons	23674..23697, 24019..24433		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102425	Strand	-
Start	1	End	376
Name	OJ000315_03.0411.C6.o1.gp	Method	AAT/GAP

Start	1	End	376
GI	none	Score	689
Exons	1..376		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102426	Strand	-
Start	1850	End	13518
Name	OJ000315_03.0411.C6.o1.gs	Method	GENSCAN
Start	1850	End	5918
GI	none	Score	.94
Exons	1850..1961, 2043..2128, 2210..2370, 2645..2849, 4812..4991, 5074..5184, 5308..5424, 5523..5918		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102426	Strand	-
Start	1850	End	13518
Name	OJ000315_03.0411.C6.o1.np	Method	AAT/NAP
Start	1853	End	13518
GI	7485284	Score	939
Exons	1853..1961, 2043..2154, 2227..2370, 2645..2849, 4812..4991, 5074..5228, 5286..5424, 5480..5685, 5719..5905, 13431..13518		
GI Descrip.	hypothetical protein A_TM018A10.14 - Arabidopsis thaliana gi|2252863|gb|AAB62861.1| (AF013294) similar to nucleolin protein [Arabidopsis thaliana] gi|7267422|emb|CAB80892.1| (AL161472) putative protein [Arabidopsis thaliana]		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102426	Strand	-
Start	1850	End	13518
Name	OJ000315_03.0411.C6.o3.gp	Method	AAT/GAP
Start	2029	End	2371
GI	LIB3434-055-P1-K1-E8	Score	392
Exons	2029..2128, 2210..2371		
GI Descrip.	'2252863 6.0e-46 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]'		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102426	Strand	-
Start	1850	End	13518
Name	OJ000315_03.0411.C6.o4.gp	Method	AAT/GAP
Start	2740	End	4288
GI	none	Score	635
Exons	2740..2849, 3967..4288		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102426	Strand	-
Start	1850	End	13518
Name	OJ000315_03.0411.C6.o5.gp	Method	AAT/GAP
Start	5510	End	6172
GI	42562_1.R1084	Score	927
Exons	5510..5934, 6105..6172		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829

Name	OJ000315_03.0411.C6.o3.tm	Method	TBLASTX:Maize
Start	1708	End	4857
GI	none	Score	80
Exons	1708..1788, 1712..1804, 1716..1829, 1841..1903, 1845..1883, 1879..1959, 1880..1960, 1923..1961, 2032..2130, 2042..2143, 2043..2129, 2046..2162, 2206..2271, 2212..2277, 2265..2369, 2266..2367, 2267..2368, 2279..2371, 2307..2372, 2623..2850, 2628..2852, 2640..2852, 2644..2859, 4789..4857		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o7.tw	Method	TBLASTX:Wheat
Start	2036	End	2724
GI	none	Score	156
Exons	2036..2143, 2042..2143, 2224..2382, 2248..2370, 2258..2371, 2628..2720, 2634..2720, 2638..2724		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o1.ts	Method	TBLASTX:Soybean
Start	2042	End	5645
GI	none	Score	74
Exons	2042..2101, 2108..2146, 2635..2718, 2637..2759, 2721..2852, 2731..2850, 2748..2852, 4845..5000, 4846..4977, 4848..4994, 5072..5215, 5074..5214, 5314..5427, 5520..5573, 5565..5645		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o1.tc	Method	TBLASTX:Cress
Start	4789	End	5409
GI	none	Score	143
Exons	4789..4992, 4791..4973, 4811..5008, 5074..5217, 5084..5215, 5308..5409		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o1.tm	Method	TBLASTX:Maize
Start	4857	End	5569
GI	none	Score	200
Exons	4857..5000, 4858..4986, 5072..5215, 5072..5215, 5073..5216, 5074..5217, 5074..5217, 5297..5425, 5347..5427, 5348..5446, 5520..5567, 5522..5569		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o3.tw	Method	TBLASTX:Wheat
Start	15599	End	16207
GI	none	Score	66
Exons	15599..15730, 15600..15725, 15755..16207, 15954..16028, 16019..16192, 16104..16202		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6

Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o3.np	Method	AAT/NAP
Start	15623	End	23972
GI	5922631	Score	3776
Exons	15623..16810, 16850..18151, 18758..19606, 19721..19945, 19988..20377, 22671..22838, 22884..23086, 23345..23589, 23848..23972		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o8.tm	Method	TBLASTX:Maize
Start	15722	End	15985
GI	none	Score	192
Exons	15722..15985		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o4.gs	Method	GENSCAN
Start	15788	End	31829
GI	none	Score	.51
Exons	15788..16153, 16505..17545, 17585..17842, 17933..18694, 18863..19954, 19979..20794, 20819..21689, 21722..21944, 22301..22404, 22429..24008, 24405..24677, 28158..28990, 29028..29084, 29466..29805, 29847..29956, 30051..30112, 30114..30376, 31029..31074, 31310..31385, 31715..31829		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o5.tw	Method	TBLASTX:Wheat
Start	16307	End	16690
GI	none	Score	104
Exons	16307..16690, 16308..16457, 16373..16651		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o4.tm	Method	TBLASTX:Maize
Start	16385	End	16690
GI	none	Score	147
Exons	16385..16690, 16386..16598		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o9.tw	Method	TBLASTX:Wheat
Start	16832	End	17153

GI	none	Score	78
Exons	16832..17152, 16833..17153		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o6.tw	Method	TBLASTX:Wheat
Start	17192	End	17600
GI	none	Score	37
Exons	17192..17257, 17192..17365, 17367..17579, 17369..17560, 17373..17600, 17375..17599		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o2.ts	Method	TBLASTX:Soybean
Start	17690	End	18115
GI	none	Score	87
Exons	17690..18115, 17931..18056		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o2.tw	Method	TBLASTX:Wheat
Start	17745	End	18169
GI	none	Score	220
Exons	17745..18059, 17747..18169, 17777..18166		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o5.tm	Method	TBLASTX:Maize
Start	17843	End	18226
GI	none	Score	91
Exons	17843..18226, 17847..18059		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o2.tm	Method	TBLASTX:Maize
Start	18254	End	18610
GI	none	Score	224
Exons	18254..18610, 18276..18548		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o1.tw	Method	TBLASTX:Wheat
Start	18284	End	18740
GI	none	Score	400
Exons	18284..18739, 18285..18740		

Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o3.ts	Method	TBLASTX:Soybean
Start	18335	End	18700

GI	none	Score	119
Exons	18335..18469, 18476..18700		
Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o4.tw	Method	TBLASTX:Wheat
Start	18932	End	19387
GI	none	Score	85
Exons	18932..19168, 19050..19166, 19205..19387, 19206..19379		
Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o8.tw	Method	TBLASTX:Wheat
Start	19970	End	20368
GI	none	Score	59
Exons	19970..20368, 20100..20243, 20316..20354		
Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o9.tm	Method	TBLASTX:Maize
Start	20132	End	20371
GI	none	Score	187
Exons	20132..20371		
Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o10.tm	Method	TBLASTX:Maize
Start	29485	End	29739
GI	none	Score	64
Exons	29485..29604, 29507..29602, 29614..29739, 29616..29729		
Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o6.tm	Method	TBLASTX:Maize
Start	30754	End	31073
GI	none	Score	88
Exons	30754..30861, 30870..31073, 30878..31009		
Seq. No.	48108	Seq. ID	OJ000315_03.0411.C6
Gene No.	102427	Strand	-
Start	15788	End	31829
Name	OJ000315_03.0411.C6.o7.tm	Method	TBLASTX:Maize
Start	31304	End	31489
GI	none	Score	195
Exons	31304..31489		
Seq. No.	48109	Seq. ID	OJ000315_03.0411.C7
Gene No.	102428	Strand	+
Start	125	End	773
Name	OJ000315_03.0411.C7.o1.gs	Method	GENSCAN
Start	125	End	773
GI	none	Score	.96

Exons	125..288, 560..773		
Seq. No.	48109	Seq. ID	OJ000315_03.0411.C7
Gene No.	102429	Strand	-
Start	1	End	715
Name	OJ000315_03.0411.C7.o1.np	Method	AAT/NAP
Start	1	End	715
GI	7340884	Score	145
Exons	1..95, 164..220, 556..715		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		
Seq. No.	48110	Seq. ID	OJ000315_03.0411.C8
Gene No.	102430	Strand	+
Start	727	End	834
Name	OJ000315_03.0411.C8.o1.gs	Method	GENSCAN
Start	727	End	834
GI	none	Score	.86
Exons	727..834		
Seq. No.	48110	Seq. ID	OJ000315_03.0411.C8
Gene No.	102431	Strand	+
Start	5500	End	6096
Name	OJ000315_03.0411.C8.o3.gs	Method	GENSCAN
Start	5500	End	6096
GI	none	Score	.49
Exons	5500..6096		
Seq. No.	48110	Seq. ID	OJ000315_03.0411.C8
Gene No.	102432	Strand	+
Start	9310	End	9368
Name	OJ000315_03.0411.C8.o1.gp	Method	AAT/GAP
Start	9310	End	9368
GI	LIB3431-030-P1-N1-G8	Score	87
Exons	9310..9368		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	48110	Seq. ID	OJ000315_03.0411.C8
Gene No.	102433	Strand	-
Start	5246	End	7703
Name	OJ000315_03.0411.C8.o1.np	Method	AAT/NAP
Start	5246	End	7703
GI	7340858	Score	524
Exons	5246..5879, 7676..7703		
GI Descrip.	(AP001551) Similar to Arabidopsis thaliana chromosome 2 BAC clone F4L23 ; hypothetical protein. (AC002387) [Oryza sativa]		
Seq. No.	48110	Seq. ID	OJ000315_03.0411.C8
Gene No.	102434	Strand	-
Start	7813	End	9271
Name	OJ000315_03.0411.C8.o4.gs	Method	GENSCAN
Start	7813	End	9271
GI	none	Score	.81
Exons	7813..7877, 8059..8151, 8547..8694, 9147..9271		
Seq. No.	48111	Seq. ID	OJ000315_03.0411.C9

Gene No.	102435	Strand	+
Start	9557	End	9947
Name	OJ000315_03.0411.C9.o2.np	Method	AAT/NAP
Start	9557	End	9947
GI	5734617	Score	429
Exons	9557..9947		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	48111	Seq. ID	OJ000315_03.0411.C9
Gene No.	102436	Strand	-
Start	1	End	7572
Name	OJ000315_03.0411.C9.o1.np	Method	AAT/NAP
Start	1	End	7572
GI	7228438	Score	3323
Exons	1..20, 678..1099, 2447..2597, 2690..2951, 3056..3354, 3435..3848, 3934..4029, 5588..7572		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	48111	Seq. ID	OJ000315_03.0411.C9
Gene No.	102436	Strand	-
Start	1	End	7572
Name	OJ000315_03.0411.C9.o1.gs	Method	GENSCAN
Start	678	End	7302
GI	none	Score	.41
Exons	678..998, 1387..1640, 1704..2022, 2342..2443, 2490..2597, 2690..2905, 2952..3092, 3094..3354, 3435..3553, 3626..3848, 3953..4122, 4146..4300, 4376..4449, 4934..5349, 5773..6740, 6872..7302		

Seq. No.	48111	Seq. ID	OJ000315_03.0411.C9
Gene No.	102436	Strand	-
Start	1	End	7572
Name	OJ000315_03.0411.C9.o1.gp	Method	AAT/GAP
Start	2011	End	4261
GI	LIB3433-020-P1-K1-A6	Score	758
Exons	2011..2397, 4219..4261		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	48111	Seq. ID	OJ000315_03.0411.C9
Gene No.	102437	Strand	-
Start	9516	End	15231
Name	OJ000315_03.0411.C9.o2.gs	Method	GENSCAN
Start	9516	End	15150
GI	none	Score	.49
Exons	9516..10176, 10828..11156, 12134..12660, 12772..13064, 14924..15150		

Seq. No.	48111	Seq. ID	OJ000315_03.0411.C9
Gene No.	102437	Strand	-
Start	9516	End	15231
Name	OJ000315_03.0411.C9.o2.gp	Method	AAT/GAP
Start	14826	End	15231
GI	3762713	Score	722
Exons	14826..15231		

Seq. No.	48111	Seq. ID	OJ000315_03.0411.C9
Gene No.	102438	Strand	-
Start	15732	End	18638
Name	OJ000315_03.0411.C9.o3.gs	Method	GENSCAN
Start	15732	End	18638
GI	none	Score	.66
Exons	15732..15971, 16581..16765, 18614..18638		

Seq. No.	48111	Seq. ID	OJ000315_03.0411.C9
Gene No.	102439	Strand	-
Start	19203	End	19431
Name	OJ000315_03.0411.C9.o2.tw	Method	TBLASTX:Wheat
Start	4027	End	4209
GI	none	Score	104
Exons	4027..4146, 4028..4147, 4145..4195, 4156..4209		

Seq. No.	48111	Seq. ID	OJ000315_03.0411.C9
Gene No.	102439	Strand	-
Start	19203	End	19431
Name	OJ000315_03.0411.C9.o1.tw	Method	TBLASTX:Wheat
Start	5951	End	6328
GI	none	Score	66
Exons	5951..6124, 5962..6102, 6057..6125, 6149..6325, 6174..6326, 6179..6328		

Seq. No.	48111	Seq. ID	OJ000315_03.0411.C9
Gene No.	102439	Strand	-
Start	19203	End	19431
Name	OJ000315_03.0411.C9.o1.tm	Method	TBLASTX:Maize
Start	6026	End	6622
GI	none	Score	222
Exons	6026..6097, 6144..6617, 6155..6622		

Seq. No.	48111	Seq. ID	OJ000315_03.0411.C9
Gene No.	102439	Strand	-
Start	19203	End	19431
Name	OJ000315_03.0411.C9.o2.tm	Method	TBLASTX:Maize
Start	12212	End	12648
GI	none	Score	52
Exons	12212..12328, 12226..12321, 12338..12463, 12341..12466, 12515..12625, 12516..12626, 12616..12648		

Seq. No.	48111	Seq. ID	OJ000315_03.0411.C9
Gene No.	102439	Strand	-
Start	19203	End	19431
Name	OJ000315_03.0411.C9.o3.gp	Method	AAT/GAP
Start	19203	End	19431
GI	none	Score	428
Exons	19203..19431		

Seq. No.	48112	Seq. ID	OJ000315_02.0411.C1
Gene No.	102440	Strand	-
Start	1	End	1897
Name	OJ000315_02.0411.C1.o1.np	Method	AAT/NAP
Start	1	End	1897
GI	1169544	Score	898

Exons	1..354, 549..650, 1314..1444, 1535..1643, 1752..1897		
GI Descrip.	ERD1 PROTEIN PRECURSOR gi|541859|pir||JN0901 endopeptidase Clp ATP-binding chain C - Arabidopsis thaliana gi|497629|dbj|BAA04506.1| (D17582) ERD1 protein [Arabidopsis thaliana]		
Seq. No.	48112	Seq. ID	OJ000315_02.0411.C1
Gene No.	102440	Strand	-
Start	1	End	1897
Name	OJ000315_02.0411.C1.o1.tc	Method	TBLASTX:Cress
Start	53	End	1895
GI	none	Score	282
Exons	53..355, 55..357, 72..356, 181..357, 531..653, 546..656, 1314..1445, 1314..1448, 1512..1625, 1512..1640, 1741..1887, 1752..1895, 1755..1895		
Seq. No.	48112	Seq. ID	OJ000315_02.0411.C1
Gene No.	102440	Strand	-
Start	1	End	1897
Name	OJ000315_02.0411.C1.o1.ts	Method	TBLASTX:Soybean
Start	62	End	1448
GI	none	Score	271
Exons	62..355, 65..343, 73..357, 181..366, 531..653, 532..651, 549..656, 1306..1446, 1314..1445, 1314..1448		
Seq. No.	48112	Seq. ID	OJ000315_02.0411.C1
Gene No.	102440	Strand	-
Start	1	End	1897
Name	OJ000315_02.0411.C1.o1.gs	Method	GENSCAN
Start	73	End	1607
GI	none	Score	.44
Exons	73..354, 549..650, 1314..1501, 1535..1607		
Seq. No.	48112	Seq. ID	OJ000315_02.0411.C1
Gene No.	102440	Strand	-
Start	1	End	1897
Name	OJ000315_02.0411.C1.o1.tm	Method	TBLASTX:Maize
Start	131	End	1449
GI	none	Score	286
Exons	131..355, 133..357, 175..366, 531..653, 545..655, 546..656, 553..687, 1314..1379, 1315..1350, 1383..1448, 1408..1449		
Seq. No.	48112	Seq. ID	OJ000315_02.0411.C1
Gene No.	102440	Strand	-
Start	1	End	1897
Name	OJ000315_02.0411.C1.o2.tm	Method	TBLASTX:Maize
Start	1512	End	1893
GI	none	Score	103
Exons	1512..1643, 1764..1889, 1765..1893		
Seq. No.	48112	Seq. ID	OJ000315_02.0411.C1
Gene No.	102440	Strand	-
Start	1	End	1897
Name	OJ000315_02.0411.C1.o2.ts	Method	TBLASTX:Soybean
Start	1512	End	1895
GI	none	Score	124
Exons	1512..1643, 1747..1854, 1764..1895, 1765..1893		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102441	Strand	+
Start	4504	End	12564
Name	OJ000315_02.0411.C2.o1.gp	Method	AAT/GAP
Start	4501	End	10173
GI	none	Score	919
Exons	4501..4713, 9685..9822, 9926..10007, 10097..10173		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102441	Strand	+
Start	4504	End	12564
Name	OJ000315_02.0411.C2.o2.gs	Method	GENSCAN
Start	4504	End	12564
GI	none	Score	.82
Exons	4504..4713, 6609..6772, 7182..7305, 8791..8884, 8932..9029, 9685..9822, 9926..10007, 10097..10173, 10264..10370, 10483..10594, 10694..10810, 10900..10991, 11042..11180, 11280..11358, 11445..11680, 12541..12564		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102442	Strand	+
Start	20522	End	21825
Name	OJ000315_02.0411.C2.o4.gs	Method	GENSCAN
Start	20522	End	21825
GI	none	Score	.56
Exons	20522..20531, 21027..21302, 21371..21495, 21534..21668, 21763..21825		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102443	Strand	+
Start	29398	End	31403
Name	OJ000315_02.0411.C2.o6.gs	Method	GENSCAN
Start	29398	End	30552
GI	none	Score	.99
Exons	29398..29771, 29867..30092, 30181..30552		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102443	Strand	+
Start	29398	End	31403
Name	OJ000315_02.0411.C2.o4.np	Method	AAT/NAP
Start	29543	End	31403
GI	7362753	Score	619
Exons	29543..29771, 29867..30092, 30181..30547, 31357..31403		
GI Descrip.	(AL162651) putative protein [Arabidopsis thaliana]		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102444	Strand	-
Start	711	End	1419
Name	OJ000315_02.0411.C2.o1.gs	Method	GENSCAN
Start	711	End	1419
GI	none	Score	.97
Exons	711..756, 827..1419		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102445	Strand	-
Start	13198	End	17885

Name	OJ000315_02.0411.C2.o3.gs	Method	GENSCAN
Start	13198	End	17885
GI	none	Score	.72
Exons	13198..13383, 13548..13689, 14114..14289, 14562..14640, 14713..14789, 15165..15278, 15782..15883, 16058..16140, 16277..16445, 16535..16657, 16800..16955, 17061..17242, 17261..17885		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102445	Strand	-
Start	13198	End	17885
Name	OJ000315_02.0411.C2.o1.np	Method	AAT/NAP
Start	13201	End	17729
GI	2708624	Score	2429
Exons	13201..13383, 13548..13646, 13756..13846, 13963..14019, 14114..14289, 14396..14464, 14562..14640, 14713..14789, 15165..15278, 15409..15499, 15617..15705, 15782..15883, 16058..16140, 16277..16445, 16535..16657, 16800..16955, 17061..17207, 17550..17729		
GI Descrip.	(AF036618) acetyl-CoA synthetase [Arabidopsis thaliana]		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102445	Strand	-
Start	13198	End	17885
Name	OJ000315_02.0411.C2.o2.gp	Method	AAT/GAP
Start	13259	End	16365
GI	21775_2.R1084	Score	2095
Exons	13259..13385, 13549..13646, 13756..13846, 13963..14019, 14114..14289, 14396..14464, 14562..14640, 14713..14789, 15165..15278, 15409..15499, 15617..15705, 15782..15883, 16058..16140, 16277..16365		
GI Descrip.	'4107276/emb|CAA67130| 0.0e+00 (X98506) acetyl-CoA synthetase [Solanum tuberosum]'		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o3.tc	Method	TBLASTX:Cress
Start	221	End	1216
GI	none	Score	117
Exons	221..301, 824..979, 826..981, 1060..1209, 1061..1216		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o4.tc	Method	TBLASTX:Cress
Start	4666	End	10140
GI	none	Score	63
Exons	4666..4710, 9676..9786, 9684..9785, 9778..9822, 9937..10008, 9947..10009, 10095..10139, 10108..10140		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o1.ts	Method	TBLASTX:Soybean
Start	9676	End	11703
GI	none	Score	206

Exons	9676..9822, 9676..9801, 9684..9821, 9705..9827, 9941..10009, 9943..10008, 10114..10173, 10129..10173, 10258..10368, 10261..10377, 10487..10594, 10519..10581, 10678..10797, 10688..10804, 10693..10803, 10900..10998, 10902..10997, 11109..11180, 11111..11176, 11285..11359, 11285..11362, 11437..11460, 11444..11683, 11536..11703		
Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o3.tm	Method	TBLASTX:Maize
Start	9760	End	11176
GI	none	Score	100
Exons	9760..9837, 9765..9836, 9913..10008, 9915..10007, 9923..10009, 9925..10008, 10074..10172, 10095..10169, 10108..10173, 10258..10371, 10258..10395, 10483..10596, 10484..10597, 10484..10609, 10498..10599, 10679..10753, 10693..10767, 10694..10753, 10753..10806, 10754..10810, 10906..10998, 10914..10991, 11111..11176, 11112..11174		
Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o4.tm	Method	TBLASTX:Maize
Start	11268	End	12034
GI	none	Score	131
Exons	11268..11360, 11272..11358, 11273..11359, 11443..11478, 11444..11689, 11522..11680, 11533..11697, 11787..11861, 11878..11940, 11927..12034		
Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o2.tm	Method	TBLASTX:Maize
Start	13195	End	17210
GI	none	Score	83
Exons	13195..13386, 13198..13314, 13229..13384, 13545..13649, 13549..13647, 13753..13854, 13754..13849, 13958..14020, 13963..14022, 13963..14022, 13965..14024, 14103..14273, 14104..14292, 14113..14292, 14114..14293, 14396..14464, 14397..14465, 14400..14471, 14557..14643, 14559..14684, 14709..14792, 14710..14820, 15165..15272, 15165..15275, 15166..15276, 15409..15498, 15410..15499, 15422..15499, 15607..15708, 15608..15706, 15616..15708, 15780..15884, 15782..15886, 15783..15884, 16056..16148, 16058..16129, 16272..16445, 16275..16445, 16276..16446, 16529..16660, 16533..16658, 16535..16660, 16797..16961, 16798..16953, 17062..17172, 17064..17210, 17065..17208		
Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o3.tw	Method	TBLASTX:Wheat
Start	13198	End	13840
GI	none	Score	116
Exons	13198..13314, 13204..13386, 13229..13384, 13286..13387, 13545..13649, 13552..13647, 13571..13675, 13753..13836,		

13754..13840, 13754..13837

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o5.ts	Method	TBLASTX:Soybean
Start	13198	End	13342
GI	none	Score	64
Exons	13198..13341, 13219..13326, 13229..13342		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o1.tc	Method	TBLASTX:Cress
Start	13204	End	17624
GI	none	Score	134
Exons	13204..13386, 13229..13384, 13545..13649, 13555..13647, 13753..13854, 13754..13849, 13963..14022, 13965..14024, 14104..14283, 14113..14292, 14396..14464, 14400..14465, 14557..14646, 14559..14645, 14709..14792, 14710..14787, 15174..15278, 15174..15278, 15175..15279, 15409..15498, 15410..15499, 15419..15499, 15607..15708, 15608..15706, 15616..15708, 15768..15884, 15782..15886, 15783..15866, 16056..16148, 16058..16129, 16270..16446, 16272..16445, 16529..16660, 16535..16660, 16797..16967, 16798..16956, 17061..17114, 17062..17115, 17121..17210, 17122..17208, 17550..17624, 17551..17622		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o2.ts	Method	TBLASTX:Soybean
Start	13342	End	15279
GI	none	Score	109
Exons	13342..13386, 13545..13649, 13555..13647, 13568..13648, 13753..13848, 13754..13849, 13755..13850, 13961..14020, 13968..14036, 13968..14024, 14104..14283, 14113..14292, 14396..14464, 14400..14465, 14556..14639, 14557..14643, 14559..14645, 14709..14789, 14710..14787, 15171..15278, 15171..15278, 15172..15279		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o1.tw	Method	TBLASTX:Wheat
Start	14218	End	15273
GI	none	Score	88
Exons	14218..14292, 14218..14292, 14393..14458, 14396..14464, 14397..14465, 14557..14643, 14559..14684, 14709..14789, 14710..14820, 15166..15246, 15168..15272, 15168..15272, 15172..15273		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o4.ts	Method	TBLASTX:Soybean
Start	15466	End	17213

GI	none	Score	56
Exons	15466..15498, 15467..15499, 15607..15717, 15607..15708, 15780..15884, 15782..15886, 15786..15884, 16056..16124, 16058..16126, 16270..16446, 16278..16445, 16529..16660, 16535..16660, 16777..16956, 16797..16967, 16800..16958, 17061..17114, 17121..17213, 17122..17208		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o2.tw	Method	TBLASTX:Wheat
Start	16073	End	16585
GI	none	Score	85
Exons	16073..16129, 16074..16151, 16086..16151, 16272..16445, 16272..16445, 16273..16446, 16274..16447, 16529..16585		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o2.np	Method	AAT/NAP
Start	22027	End	27100
GI	7248403	Score	109
Exons	22027..22053, 24456..24580, 24665..24751, 27073..27100		
GI Descrip.	(AP001389) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o5.gs	Method	GENSCAN
Start	22224	End	28639
GI	none	Score	.47
Exons	22224..22477, 22817..23014, 23124..23184, 24467..24556, 26615..26779, 27752..27847, 28103..28224, 28276..28365, 28492..28639		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o3.np	Method	AAT/NAP
Start	27465	End	28891
GI	6069646	Score	1477
Exons	27465..28444, 28727..28891		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o5.tm	Method	TBLASTX:Maize
Start	27566	End	28075
GI	none	Score	82
Exons	27566..27688, 27695..27958, 27777..27917, 27950..28075		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o5.tw	Method	TBLASTX:Wheat
Start	27590	End	27943
GI	none	Score	74
Exons	27590..27625, 27746..27943, 27792..27914		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o5.np	Method	AAT/NAP
Start	27629	End	32630
GI	7434420	Score	245
Exons	27629..27673, 31904..32396, 32583..32630		
GI Descrip.	receptor-like protein kinase (EC 2.7.1.-) - rice gi|1707642|emb|CAA69028.1| (Y07748) TMK [Oryza sativa]		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o4.tw	Method	TBLASTX:Wheat
Start	28427	End	28864
GI	none	Score	205
Exons	28427..28561, 28565..28864		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o6.tm	Method	TBLASTX:Maize
Start	28506	End	28915
GI	none	Score	119
Exons	28506..28760, 28508..28915, 28514..28840		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o3.ts	Method	TBLASTX:Soybean
Start	29557	End	30351
GI	none	Score	242
Exons	29557..29772, 29613..29771, 29852..30070, 29865..30095, 30178..30351, 30180..30314		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o2.tc	Method	TBLASTX:Cress
Start	29560	End	30546
GI	none	Score	194
Exons	29560..29772, 29613..29771, 29861..30064, 29865..30095, 30146..30205, 30178..30276, 30180..30293, 30274..30366, 30274..30360, 30310..30351, 30337..30546, 30343..30468, 30375..30536		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133

Name	OJ000315_02.0411.C2.o1.tm	Method	TBLASTX:Maize
Start	29611	End	30685
GI	none	Score	262
Exons	29611..29772, 29613..29771, 29852..30094, 29865..30095, 30178..30561, 30180..30548, 30641..30685		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o3.gp	Method	AAT/GAP
Start	30162	End	30848
GI	134_2.R1084	Score	776
Exons	30162..30848		
GI Descrip.	'4996647/dbj|AB028133.1|AB028133 1.0e-104 Oryza sativa mRNA for Dof zinc finger protein, complete cds'		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o6.ts	Method	TBLASTX:Soybean
Start	30351	End	30546
GI	none	Score	202
Exons	30351..30533, 30352..30546		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o7.gs	Method	GENSCAN
Start	31248	End	34133
GI	none	Score	.44
Exons	31248..31612, 31753..32356, 32884..33002, 33266..33352, 33518..33696, 33713..33885, 34083..34133		

Seq. No.	48113	Seq. ID	OJ000315_02.0411.C2
Gene No.	102446	Strand	-
Start	22224	End	34133
Name	OJ000315_02.0411.C2.o7.tm	Method	TBLASTX:Maize
Start	31893	End	32228
GI	none	Score	237
Exons	31893..32228, 31904..32101		

Seq. No.	48114	Seq. ID	OJ000315_02.0411.C3
Gene No.	102447	Strand	+
Start	4508	End	5027
Name	OJ000315_02.0411.C3.o1.gp	Method	AAT/GAP
Start	4508	End	5027
GI	LIB3434-038-P1-K1-F1	Score	748
Exons	4508..5027		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	48114	Seq. ID	OJ000315_02.0411.C3
Gene No.	102448	Strand	-
Start	1163	End	2529
Name	OJ000315_02.0411.C3.o1.gs	Method	GENSCAN
Start	1163	End	2529
GI	none	Score	.53

Exons	1163..1186, 2267..2390, 2420..2529		
Seq. No.	48114	Seq. ID	OJ000315_02.0411.C3
Gene No.	102449	Strand	-
Start	8683	End	8706
Name	OJ000315_02.0411.C3.o3.gs	Method	GENSCAN
Start	8683	End	8706
GI	none	Score	.71
Exons	8683..8706		
Seq. No.	48115	Seq. ID	OJ000315_02.0411.C4
Gene No.	102450	Strand	+
Start	1209	End	4515
Name	OJ000315_02.0411.C4.o1.gs	Method	GENSCAN
Start	1209	End	4237
GI	none	Score	.51
Exons	1209..1237, 2863..2999, 3235..3397, 3512..3576, 3810..4237		
Seq. No.	48115	Seq. ID	OJ000315_02.0411.C4
Gene No.	102450	Strand	+
Start	1209	End	4515
Name	OJ000315_02.0411.C4.o1.gp	Method	AAT/GAP
Start	3522	End	4515
GI	4692_1.R1084	Score	1463
Exons	3522..3576, 3810..4515		
GI Descrip.	'2914703 6.0e-09 (AC003974) unknown protein [Arabidopsis thaliana]'		
Seq. No.	48115	Seq. ID	OJ000315_02.0411.C4
Gene No.	102451	Strand	+
Start	6933	End	12535
Name	OJ000315_02.0411.C4.o2.gs	Method	GENSCAN
Start	6933	End	9550
GI	none	Score	.4
Exons	6933..6968, 7057..7276, 7380..7672, 8048..8129, 8904..9019, 9251..9550		
Seq. No.	48115	Seq. ID	OJ000315_02.0411.C4
Gene No.	102451	Strand	+
Start	6933	End	12535
Name	OJ000315_02.0411.C4.o4.np	Method	AAT/NAP
Start	8763	End	12535
GI	7228446	Score	101
Exons	8763..9129, 12466..12535		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		
Seq. No.	48115	Seq. ID	OJ000315_02.0411.C4
Gene No.	102452	Strand	-
Start	10163	End	11328
Name	OJ000315_02.0411.C4.o1.tm	Method	TBLASTX:Maize
Start	145	End	1094
GI	none	Score	754
Exons	145..1083, 147..773, 223..1089, 822..1094		
Seq. No.	48115	Seq. ID	OJ000315_02.0411.C4

Gene No.	102452	Strand	-
Start	10163	End	11328
Name	OJ000315_02.0411.C4.o2.tw	Method	TBLASTX:Wheat
Start	193	End	510
GI	none	Score	218
Exons	193..480, 199..507, 424..510		

Seq. No.	48115	Seq. ID	OJ000315_02.0411.C4
Gene No.	102452	Strand	-
Start	10163	End	11328
Name	OJ000315_02.0411.C4.o1.ts	Method	TBLASTX:Soybean
Start	724	End	1239
GI	none	Score	47
Exons	724..768, 841..1065, 843..1061, 1054..1239		

Seq. No.	48115	Seq. ID	OJ000315_02.0411.C4
Gene No.	102452	Strand	-
Start	10163	End	11328
Name	OJ000315_02.0411.C4.o1.tw	Method	TBLASTX:Wheat
Start	862	End	1413
GI	none	Score	285
Exons	862..1236, 1315..1413		

Seq. No.	48115	Seq. ID	OJ000315_02.0411.C4
Gene No.	102452	Strand	-
Start	10163	End	11328
Name	OJ000315_02.0411.C4.o2.tm	Method	TBLASTX:Maize
Start	1108	End	1425
GI	none	Score	196
Exons	1108..1284, 1270..1425		

Seq. No.	48115	Seq. ID	OJ000315_02.0411.C4
Gene No.	102452	Strand	-
Start	10163	End	11328
Name	OJ000315_02.0411.C4.o3.tw	Method	TBLASTX:Wheat
Start	1710	End	2036
GI	none	Score	73
Exons	1710..1811, 1817..1882, 1818..2036		

Seq. No.	48115	Seq. ID	OJ000315_02.0411.C4
Gene No.	102452	Strand	-
Start	10163	End	11328
Name	OJ000315_02.0411.C4.o3.gs	Method	GENSCAN
Start	10163	End	11328
GI	none	Score	.43
Exons	10163..10374, 11319..11328		

Seq. No.	48116	Seq. ID	OJ000315_02.0411.C5
Gene No.	102453	Strand	-
Start	1	End	1815
Name	OJ000315_02.0411.C5.o1.gp	Method	AAT/GAP
Start	1	End	762
GI	3124_1.R1084	Score	778
Exons	1..19, 243..523, 620..762		
GI Descrip.	'2914703 6.0e-09 (AC003974) unknown protein [Arabidopsis thaliana]'		

Seq. No.	48116	Seq. ID	OJ000315_02.0411.C5
Gene No.	102453	Strand	-
Start	1	End	1815
Name	OJ000315_02.0411.C5.o2.ts	Method	TBLASTX:Soybean
Start	239	End	466
GI	none	Score	80
Exons	239..466, 258..326, 266..433		

Seq. No.	48116	Seq. ID	OJ000315_02.0411.C5
Gene No.	102453	Strand	-
Start	1	End	1815
Name	OJ000315_02.0411.C5.o2.tm	Method	TBLASTX:Maize
Start	254	End	742
GI	none	Score	339
Exons	254..526, 257..526, 460..528, 612..740, 619..741, 620..742, 621..740		

Seq. No.	48116	Seq. ID	OJ000315_02.0411.C5
Gene No.	102453	Strand	-
Start	1	End	1815
Name	OJ000315_02.0411.C5.o1.np	Method	AAT/NAP
Start	255	End	1301
GI	7406436	Score	270
Exons	255..523, 620..1301		
GI Descrip.	(AL162874) putative protein [Arabidopsis thaliana]		

Seq. No.	48116	Seq. ID	OJ000315_02.0411.C5
Gene No.	102453	Strand	-
Start	1	End	1815
Name	OJ000315_02.0411.C5.o1.gs	Method	GENSCAN
Start	259	End	1789
GI	none	Score	.54
Exons	259..523, 620..1789		

Seq. No.	48116	Seq. ID	OJ000315_02.0411.C5
Gene No.	102453	Strand	-
Start	1	End	1815
Name	OJ000315_02.0411.C5.o1.tc	Method	TBLASTX:Cress
Start	443	End	985
GI	none	Score	56
Exons	443..484, 485..526, 486..521, 620..796, 624..794, 806..946, 810..947, 941..985		

Seq. No.	48116	Seq. ID	OJ000315_02.0411.C5
Gene No.	102453	Strand	-
Start	1	End	1815
Name	OJ000315_02.0411.C5.o1.ts	Method	TBLASTX:Soybean
Start	710	End	1720
GI	none	Score	197
Exons	710..787, 806..1006, 810..1013, 843..1013, 1128..1388, 1139..1387, 1347..1574, 1385..1585, 1667..1720		

Seq. No.	48116	Seq. ID	OJ000315_02.0411.C5
Gene No.	102453	Strand	-
Start	1	End	1815
Name	OJ000315_02.0411.C5.o1.tm	Method	TBLASTX:Maize
Start	743	End	1815

GI	none	Score	1181
Exons	743..1636, 744..1637, 745..1644, 1399..1641, 1635..1688, 1643..1813, 1651..1815		

Seq. No.	48116	Seq. ID	OJ000315_02.0411.C5
Gene No.	102453	Strand	-
Start	1	End	1815
Name	OJ000315_02.0411.C5.o2.gp	Method	AAT/GAP
Start	944	End	1410
GI	LIB3432-041-P1-K1-C3	Score	914
Exons	944..1410		
GI Descrip.	'3927836 9.0e-10 (AC005727) unknown protein [Arabidopsis thaliana]'		

Seq. No.	48116	Seq. ID	OJ000315_02.0411.C5
Gene No.	102453	Strand	-
Start	1	End	1815
Name	OJ000315_02.0411.C5.o1.tw	Method	TBLASTX:Wheat
Start	1622	End	1791
GI	none	Score	61
Exons	1622..1780, 1623..1688, 1624..1791		

Seq. No.	48117	Seq. ID	OJ000315_02.0411.C6
Gene No.	102454	Strand	+
Start	602	End	1280
Name	OJ000315_02.0411.C6.o1.gs	Method	GENSCAN
Start	602	End	1280
GI	none	Score	.91
Exons	602..860, 973..1280		

Seq. No.	48117	Seq. ID	OJ000315_02.0411.C6
Gene No.	102455	Strand	-
Start	690	End	995
Name	OJ000315_02.0411.C6.o1.gp	Method	AAT/GAP
Start	690	End	995
GI	none	Score	308
Exons	690..795, 922..995		

Seq. No.	48118	Seq. ID	OJ000315_02.0411.C7
Gene No.	102456	Strand	+
Start	4176	End	4225
Name	OJ000315_02.0411.C7.o1.gp	Method	AAT/GAP
Start	4176	End	4225
GI	5003295	Score	79
Exons	4176..4225		
GI Descrip.	2914703 6.0e-09 (AC003974) unknown protein [Arabidopsis thaliana]		

Seq. No.	48118	Seq. ID	OJ000315_02.0411.C7
Gene No.	102457	Strand	-
Start	1037	End	5088
Name	OJ000315_02.0411.C7.o1.gs	Method	GENSCAN
Start	1037	End	3963
GI	none	Score	.54
Exons	1037..1053, 3900..3963		

Seq. No.	48118	Seq. ID	OJ000315_02.0411.C7

Gene No.	102457	Strand	-
Start	1037	End	5088
Name	OJ000315_02.0411.C7.o1.np	Method	AAT/NAP
Start	2798	End	5088
GI	5852093	Score	83
Exons	2798..2845, 4506..4650, 4966..5088		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	48119	Seq. ID	OJ000315_02.0411.C8
Gene No.	102458	Strand	+
Start	2065	End	2143
Name	OJ000315_02.0411.C8.o2.np	Method	AAT/NAP
Start	2065	End	2143
GI	6630699	Score	72
Exons	2065..2143		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	48119	Seq. ID	OJ000315_02.0411.C8
Gene No.	102459	Strand	-
Start	1	End	2030
Name	OJ000315_02.0411.C8.o1.np	Method	AAT/NAP
Start	1	End	2005
GI	5922620	Score	377
Exons	1..63, 315..400, 437..613, 652..746, 1230..1376, 1873..2005		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48119	Seq. ID	OJ000315_02.0411.C8
Gene No.	102459	Strand	-
Start	1	End	2030
Name	OJ000315_02.0411.C8.o1.gs	Method	GENSCAN
Start	131	End	2030
GI	none	Score	.6
Exons	131..400, 898..1061, 1447..1605, 1761..2030		

Seq. No.	48119	Seq. ID	OJ000315_02.0411.C8
Gene No.	102460	Strand	-
Start	2282	End	2940
Name	OJ000315_02.0411.C8.o3.np	Method	AAT/NAP
Start	2282	End	2940
GI	5922620	Score	163
Exons	2282..2416, 2863..2940		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102461	Strand	+
Start	1	End	433
Name	OJ000315_02.0411.C10.o1.np	Method	AAT/NAP

Start	1	End	213
GI	1169544	Score	171
Exons	1..213		
GI Descrip.	ERD1 PROTEIN PRECURSOR gi|541859|pir||JN0901 endopeptidase Clp ATP-binding chain C - Arabidopsis thaliana gi|497629|dbj|BAA04506.1| (D17582) ERD1 protein [Arabidopsis thaliana]		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102461	Strand	+
Start	1	End	433
Name	OJ000315_02.0411.C10.o1.gp	Method	AAT/GAP
Start	9	End	433
GI	none	Score	758
Exons	9..433		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102462	Strand	+
Start	12247	End	12711
Name	OJ000315_02.0411.C10.o5.gs	Method	GENSCAN
Start	12247	End	12711
GI	none	Score	.95
Exons	12247..12313, 12575..12711		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102463	Strand	+
Start	13628	End	15739
Name	OJ000315_02.0411.C10.o6.gs	Method	GENSCAN
Start	13628	End	15739
GI	none	Score	.71
Exons	13628..13748, 14510..14618, 15389..15418, 15427..15739		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102464	Strand	+
Start	19249	End	20177
Name	OJ000315_02.0411.C10.o7.gs	Method	GENSCAN
Start	19249	End	20177
GI	none	Score	.72
Exons	19249..19482, 19884..20177		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102465	Strand	+
Start	25258	End	25999
Name	OJ000315_02.0411.C10.o5.gp	Method	AAT/GAP
Start	25258	End	25999
GI	none	Score	1402
Exons	25258..25999		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102466	Strand	-
Start	423	End	3381
Name	OJ000315_02.0411.C10.o1.gs	Method	GENSCAN
Start	423	End	3379
GI	none	Score	.78
Exons	423..552, 1330..1478, 1731..1857, 2460..2575, 3071..3379		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10

Gene No.	102466	Strand	-
Start	423	End	3381
Name	OJ000315_02.0411.C10.o2.gp	Method	AAT/GAP
Start	651	End	1018
GI	5003165	Score	717
Exons	651..1018		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102466	Strand	-
Start	423	End	3381
Name	OJ000315_02.0411.C10.o2.np	Method	AAT/NAP
Start	1074	End	3381
GI	6561956	Score	507
Exons	1074..1164, 1330..1478, 1731..1857, 2460..2575, 3071..3381		
GI Descrip.	(AL132964) putative protein [Arabidopsis thaliana]		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102467	Strand	-
Start	10233	End	11170
Name	OJ000315_02.0411.C10.o4.gs	Method	GENSCAN
Start	10233	End	11170
GI	none	Score	.99
Exons	10233..11016, 11127..11170		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102467	Strand	-
Start	10233	End	11170
Name	OJ000315_02.0411.C10.o3.np	Method	AAT/NAP
Start	10236	End	11057
GI	7488887	Score	706
Exons	10236..11057		
GI Descrip.	probable short chain alcohol dehydrogenase CPRD12, drought-inducible - cowpea gi|1853968|dbj|BAA13541.1| (D88121) CPRD12 protein [Vigna unguiculata]		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102468	Strand	-
Start	15242	End	17151
Name	OJ000315_02.0411.C10.o5.np	Method	AAT/NAP
Start	15242	End	17151
GI	6721512	Score	98
Exons	15242..15305, 16799..16834, 16875..17000, 17028..17151		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102468	Strand	-
Start	15242	End	17151
Name	OJ000315_02.0411.C10.o4.np	Method	AAT/NAP
Start	15752	End	15849
GI	5777617	Score	78
Exons	15752..15849		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102469	Strand	-
Start	19089	End	19626
Name	OJ000315_02.0411.C10.o3.gp	Method	AAT/GAP

Start	19089	End	19626
GI	none	Score	816
Exons	19089..19270, 19387..19626		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102470	Strand	-
Start	21273	End	22460
Name	OJ000315_02.0411.C10.o3.tm	Method	TBLASTX:Maize
Start	31	End	358
GI	none	Score	300
Exons	31..240, 34..237, 150..260, 272..358		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102470	Strand	-
Start	21273	End	22460
Name	OJ000315_02.0411.C10.o2.ts	Method	TBLASTX:Soybean
Start	1072	End	2578
GI	none	Score	86
Exons	1072..1191, 1101..1202, 1332..1502, 1332..1478, 1372..1500, 1725..1817, 1735..1860, 1770..1859, 2460..2576, 2465..2578		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102470	Strand	-
Start	21273	End	22460
Name	OJ000315_02.0411.C10.o7.tm	Method	TBLASTX:Maize
Start	1083	End	1806
GI	none	Score	70
Exons	1083..1202, 1101..1166, 1114..1167, 1330..1485, 1332..1478, 1348..1485, 1349..1486, 1731..1805, 1732..1806, 1732..1806		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102470	Strand	-
Start	21273	End	22460
Name	OJ000315_02.0411.C10.o6.tm	Method	TBLASTX:Maize
Start	1816	End	2583
GI	none	Score	67
Exons	1816..1860, 1818..1859, 2460..2573, 2461..2583, 2462..2578		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102470	Strand	-
Start	21273	End	22460
Name	OJ000315_02.0411.C10.o1.tm	Method	TBLASTX:Maize
Start	10233	End	11018
GI	none	Score	63
Exons	10233..10412, 10264..10350, 10326..10385, 10374..10613, 10399..10614, 10653..10862, 10654..10788, 10746..10847, 10872..11018, 10884..11015, 10909..11016		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102470	Strand	-
Start	21273	End	22460
Name	OJ000315_02.0411.C10.o1.ts	Method	TBLASTX:Soybean
Start	10242	End	11019
GI	none	Score	46
Exons	10242..10397, 10276..10350, 10417..10599, 10446..10601, 10653..10865, 10654..10794, 10863..11018, 10912..11019		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102470	Strand	-
Start	21273	End	22460
Name	OJ000315_02.0411.C10.o1.tc	Method	TBLASTX:Cress
Start	10314	End	11019
GI	none	Score	76
Exons	10314..10418, 10446..10703, 10468..10698, 10729..10788, 10752..10856, 10872..11018, 10912..11019		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102470	Strand	-
Start	21273	End	22460
Name	OJ000315_02.0411.C10.o1.tw	Method	TBLASTX:Wheat
Start	10725	End	11019
GI	none	Score	132
Exons	10725..11018, 10743..11018, 10747..11019		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102470	Strand	-
Start	21273	End	22460
Name	OJ000315_02.0411.C10.o3.tc	Method	TBLASTX:Cress
Start	15383	End	15535
GI	none	Score	190
Exons	15383..15535, 15385..15531		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102470	Strand	-
Start	21273	End	22460
Name	OJ000315_02.0411.C10.o5.tm	Method	TBLASTX:Maize
Start	15426	End	22287
GI	none	Score	132
Exons	15426..15569, 21766..21906, 21990..22025, 22090..22113, 22108..22149, 22139..22201, 22243..22287		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102470	Strand	-
Start	21273	End	22460
Name	OJ000315_02.0411.C10.o4.gp	Method	AAT/GAP
Start	21226	End	21612
GI	none	Score	737
Exons	21226..21612		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102470	Strand	-
Start	21273	End	22460
Name	OJ000315_02.0411.C10.o8.gs	Method	GENSCAN
Start	21273	End	22460
GI	none	Score	1
Exons	21273..21868, 21932..22460		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102470	Strand	-
Start	21273	End	22460
Name	OJ000315_02.0411.C10.o4.tm	Method	TBLASTX:Maize
Start	21336	End	21689
GI	none	Score	121
Exons	21336..21428, 21337..21432, 21484..21600, 21486..21599,		

21616..21636, 21630..21689, 21637..21687

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102471	Strand	
Start	25785	End	26045
Name	OJ000315_02.0411.C10.o2.tm	Method	TBLASTX:Maize
Start	25785	End	26045
GI	none	Score	140
Exons	25785..25943, 25788..25886, 25790..26023, 25795..26025, 25798..26025, 25937..26026, 25959..26045		

Seq. No.	48120	Seq. ID	OJ000315_02.0411.C10
Gene No.	102471	Strand	
Start	25785	End	26045
Name	OJ000315_02.0411.C10.o2.tc	Method	TBLASTX:Cress
Start	25787	End	26043
GI	none	Score	187
Exons	25787..26017, 25798..26025, 25807..26043		

Seq. No.	48121	Seq. ID	OJ000315_02.0411.C12
Gene No.	102472	Strand	+
Start	2801	End	4685
Name	OJ000315_02.0411.C12.o1.gs	Method	GENSCAN
Start	2801	End	4685
GI	none	Score	.68
Exons	2801..3022, 3324..4685		

Seq. No.	48121	Seq. ID	OJ000315_02.0411.C12
Gene No.	102473	Strand	-
Start	265	End	2806
Name	OJ000315_02.0411.C12.o2.tm	Method	TBLASTX:Maize
Start	250	End	2806
GI	none	Score	161
Exons	250..351, 267..377, 268..375, 1225..1284, 1226..1282, 1227..1292, 1544..1627, 1544..1624, 1555..1626, 1690..1809, 1694..1810, 1698..1811, 2321..2446, 2322..2447, 2340..2447, 2546..2617, 2547..2618, 2586..2618, 2684..2806, 2695..2781, 2753..2782		

Seq. No.	48121	Seq. ID	OJ000315_02.0411.C12
Gene No.	102473	Strand	-
Start	265	End	2806
Name	OJ000315_02.0411.C12.o1.gp	Method	AAT/GAP
Start	265	End	2770
GI	12283_1.R1084	Score	1048
Exons	265..374, 1227..1282, 1563..1626, 1700..1808, 2322..2446, 2546..2615, 2696..2770		
GI Descrip.	'1652297/dbj|BAA17220| 5.0e-24 (D90904) hypothetical protein [Synechocystis sp.]'		

Seq. No.	48121	Seq. ID	OJ000315_02.0411.C12
Gene No.	102473	Strand	-
Start	265	End	2806
Name	OJ000315_02.0411.C12.o1.np	Method	AAT/NAP
Start	1227	End	2467
GI	7470482	Score	152
Exons	1227..1282, 1563..1631, 1693..1808, 2322..2467		

GI Descrip.	hypothetical protein slr1699 - Synechocystis sp. (strain PCC 6803) gi|1652297|dbj|BAA17220.1| (D90904) hypothetical protein [Synechocystis sp.]		
Seq. No.	48121	Seq. ID	OJ000315_02.0411.C12
Gene No.	102474	Strand	
Start	3765	End	4124
Name	OJ000315_02.0411.C12.o1.tm	Method	TBLASTX:Maize
Start	3765	End	4124
GI	none	Score	165
Exons	3765..3956, 3771..3845, 3872..4102, 4005..4115, 4038..4124		
Seq. No.	48122	Seq. ID	OJ000315_09.0412.C4
Gene No.	102475	Strand	+
Start	1	End	557
Name	OJ000315_09.0412.C4.o1.np	Method	AAT/NAP
Start	1	End	557
GI	7339719	Score	99
Exons	1..33, 347..557		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		
Seq. No.	48123	Seq. ID	OJ000315_09.0412.C5
Gene No.	102476	Strand	+
Start	2210	End	6778
Name	OJ000315_09.0412.C5.o1.gs	Method	GENSCAN
Start	2210	End	6523
GI	none	Score	.64
Exons	2210..2229, 2267..2403, 3905..4122, 4275..4426, 4431..4478, 4656..5399, 5429..6523		
Seq. No.	48123	Seq. ID	OJ000315_09.0412.C5
Gene No.	102476	Strand	+
Start	2210	End	6778
Name	OJ000315_09.0412.C5.o2.tw	Method	TBLASTX:Wheat
Start	4666	End	5052
GI	none	Score	347
Exons	4666..5052, 4677..5051		
Seq. No.	48123	Seq. ID	OJ000315_09.0412.C5
Gene No.	102476	Strand	+
Start	2210	End	6778
Name	OJ000315_09.0412.C5.o1.np	Method	AAT/NAP
Start	4672	End	6778
GI	6539553	Score	3671
Exons	4672..6778		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	48123	Seq. ID	OJ000315_09.0412.C5
Gene No.	102476	Strand	+
Start	2210	End	6778
Name	OJ000315_09.0412.C5.o2.tm	Method	TBLASTX:Maize
Start	4801	End	5114
GI	none	Score	366
Exons	4801..5112, 4809..5114		

Seq. No.	48123	Seq. ID	OJ000315_09.0412.C5
Gene No.	102476	Strand	+
Start	2210	End	6778
Name	OJ000315_09.0412.C5.o1.tm	Method	TBLASTX:Maize
Start	5612	End	5934
GI	none	Score	268
Exons	5612..5866, 5619..5933, 5639..5932, 5767..5934		

Seq. No.	48123	Seq. ID	OJ000315_09.0412.C5
Gene No.	102476	Strand	+
Start	2210	End	6778
Name	OJ000315_09.0412.C5.o2.ts	Method	TBLASTX:Soybean
Start	5961	End	6347
GI	none	Score	88
Exons	5961..6116, 6099..6347		

Seq. No.	48123	Seq. ID	OJ000315_09.0412.C5
Gene No.	102476	Strand	+
Start	2210	End	6778
Name	OJ000315_09.0412.C5.o3.tm	Method	TBLASTX:Maize
Start	6135	End	6569
GI	none	Score	303
Exons	6135..6569, 6344..6544		

Seq. No.	48123	Seq. ID	OJ000315_09.0412.C5
Gene No.	102476	Strand	+
Start	2210	End	6778
Name	OJ000315_09.0412.C5.o1.tw	Method	TBLASTX:Wheat
Start	6212	End	6608
GI	none	Score	344
Exons	6212..6283, 6213..6461, 6213..6446, 6423..6608, 6424..6570, 6435..6608		

Seq. No.	48123	Seq. ID	OJ000315_09.0412.C5
Gene No.	102476	Strand	+
Start	2210	End	6778
Name	OJ000315_09.0412.C5.o1.ts	Method	TBLASTX:Soybean
Start	6357	End	6755
GI	none	Score	197
Exons	6357..6581, 6365..6535, 6366..6536, 6582..6755, 6590..6628		

Seq. No.	48123	Seq. ID	OJ000315_09.0412.C5
Gene No.	102476	Strand	+
Start	2210	End	6778
Name	OJ000315_09.0412.C5.o3.tw	Method	TBLASTX:Wheat
Start	6615	End	6778
GI	none	Score	236
Exons	6615..6776, 6616..6777, 6626..6778		

Seq. No.	48124	Seq. ID	OJ000315_09.0412.C6
Gene No.	102477	Strand	+
Start	1	End	1418
Name	OJ000315_09.0412.C6.o1.np	Method	AAT/NAP
Start	1	End	1415
GI	6539553	Score	2412
Exons	1..1415		

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	48124	Seq. ID	OJ000315_09.0412.C6
Gene No.	102477	Strand	+
Start	1	End	1418
Name	OJ000315_09.0412.C6.o1.tc	Method	TBLASTX:Cress
Start	12	End	272
GI	none	Score	286
Exons	12..272, 14..91		

Seq. No.	48124	Seq. ID	OJ000315_09.0412.C6
Gene No.	102477	Strand	+
Start	1	End	1418
Name	OJ000315_09.0412.C6.o1.ts	Method	TBLASTX:Soybean
Start	12	End	383
GI	5509260	Score	338
Exons	12..383, 20..88, 137..232, 305..364		
GI Descrip.	-		

Seq. No.	48124	Seq. ID	OJ000315_09.0412.C6
Gene No.	102477	Strand	+
Start	1	End	1418
Name	OJ000315_09.0412.C6.o1.tm	Method	TBLASTX:Maize
Start	53	End	518
GI	none	Score	357
Exons	53..235, 54..518, 189..371, 305..403		

Seq. No.	48124	Seq. ID	OJ000315_09.0412.C6
Gene No.	102477	Strand	+
Start	1	End	1418
Name	OJ000315_09.0412.C6.o2.tw	Method	TBLASTX:Wheat
Start	54	End	599
GI	none	Score	319
Exons	54..398, 201..374, 393..599, 467..589		

Seq. No.	48124	Seq. ID	OJ000315_09.0412.C6
Gene No.	102477	Strand	+
Start	1	End	1418
Name	OJ000315_09.0412.C6.o1.gs	Method	GENSCAN
Start	184	End	1418
GI	none	Score	.68
Exons	184..410, 627..1418		

Seq. No.	48124	Seq. ID	OJ000315_09.0412.C6
Gene No.	102477	Strand	+
Start	1	End	1418
Name	OJ000315_09.0412.C6.o2.ts	Method	TBLASTX:Soybean
Start	452	End	797
GI	none	Score	314
Exons	452..652, 453..797		

Seq. No.	48124	Seq. ID	OJ000315_09.0412.C6
Gene No.	102477	Strand	+
Start	1	End	1418

Name	OJ000315_09.0412.C6.o2.tm	Method	TBLASTX:Maize
Start	608	End	947
GI	none	Score	318
Exons	608..946, 609..947		

Seq. No.	48124	Seq. ID	OJ000315_09.0412.C6
Gene No.	102477	Strand	+
Start	1	End	1418
Name	OJ000315_09.0412.C6.o1.tw	Method	TBLASTX:Wheat
Start	803	End	1279
GI	none	Score	101
Exons	803..874, 804..878, 805..876, 893..1279, 894..1241, 895..1278		

Seq. No.	48124	Seq. ID	OJ000315_09.0412.C6
Gene No.	102477	Strand	+
Start	1	End	1418
Name	OJ000315_09.0412.C6.o3.ts	Method	TBLASTX:Soybean
Start	810	End	1151
GI	none	Score	91
Exons	810..923, 836..916, 942..1151, 947..1072		

Seq. No.	48125	Seq. ID	OJ000315_09.0412.C7
Gene No.	102478	Strand	+
Start	74	End	2250
Name	OJ000315_09.0412.C7.o1.gs	Method	GENSCAN
Start	74	End	2250
GI	none	Score	.6
Exons	74..223, 798..860, 973..1139, 2125..2250		

Seq. No.	48126	Seq. ID	OJ000315_09.0412.C8
Gene No.	102479	Strand	-
Start	1	End	174
Name	OJ000315_09.0412.C8.o1.np	Method	AAT/NAP
Start	1	End	174
GI	6573707	Score	82
Exons	1..174		
GI Descrip.	(AC009978) T23E18.7 [Arabidopsis thaliana]		

Seq. No.	48126	Seq. ID	OJ000315_09.0412.C8
Gene No.	102480	Strand	-
Start	87	End	194
Name	OJ000315_09.0412.C8.o1.gs	Method	GENSCAN
Start	87	End	194
GI	none	Score	.8
Exons	87..194		

Seq. No.	48127	Seq. ID	OJ000315_09.0412.C9
Gene No.	102481	Strand	+
Start	1	End	8722
Name	OJ000315_09.0412.C9.o2.np	Method	AAT/NAP
Start	1	End	8722
GI	6063554	Score	209
Exons	1..62, 2818..2922, 3026..3285, 8549..8722		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48127	Seq. ID	OJ000315_09.0412.C9
Gene No.	102482	Strand	-
Start	1443	End	1580
Name	OJ000315_09.0412.C9.o1.np	Method	AAT/NAP
Start	1443	End	1580
GI	6573707	Score	62
Exons	1443..1580		
GI Descrip.	(AC009978) T23E18.7 [Arabidopsis thaliana]		

Seq. No.	48127	Seq. ID	OJ000315_09.0412.C9
Gene No.	102483	Strand	
Start	5631	End	6038
Name	OJ000315_09.0412.C9.o1.tm	Method	TBLASTX:Maize
Start	5631	End	6038
GI	none	Score	68
Exons	5631..5711, 5724..6038		

Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102484	Strand	+
Start	1721	End	3212
Name	OJ000315_09.0412.C11.o1.np	Method	AAT/NAP
Start	1721	End	3088
GI	6382520	Score	974
Exons	1721..2226, 2464..3088		
GI Descrip.	(AC011020) unknown protein [Arabidopsis thaliana]		

Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102484	Strand	+
Start	1721	End	3212
Name	OJ000315_09.0412.C11.o1.gs	Method	GENSCAN
Start	1727	End	3091
GI	none	Score	.62
Exons	1727..2226, 2464..3091		

Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102484	Strand	+
Start	1721	End	3212
Name	OJ000315_09.0412.C11.o1.gp	Method	AAT/GAP
Start	1978	End	2689
GI	uC-osrocyp010f05b1	Score	901
Exons	1978..2226, 2464..2689		
GI Descrip.	'3176664 1.0e-35 (AC004393) Contains similarity to beta scruin gb_Z47541 from Limulus polyphemus. ESTs gb_T04493 and gb_AA585955 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102484	Strand	+
Start	1721	End	3212
Name	OJ000315_09.0412.C11.o2.gp	Method	AAT/GAP
Start	2787	End	3212
GI	LIB3433-017-Q6-K1-A6	Score	788
Exons	2787..3212		
GI Descrip.	'3176664 3.0e-25 (AC004393) Contains similarity to beta scruin gb_Z47541 from Limulus polyphemus. ESTs gb_T04493 and gb_AA585955 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11

Gene No.	102485	Strand	+
Start	11225	End	14643
Name	OJ000315_09.0412.C11.o2.np	Method	AAT/NAP
Start	11225	End	14254
GI	6523084	Score	98
Exons	11225..11275, 12034..12199, 14178..14254		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana] gi|6686786|emb|CAB64720.1| (AJ132317) AKIN gamma [Arabidopsis thaliana]		

Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102485	Strand	+
Start	11225	End	14643
Name	OJ000315_09.0412.C11.o3.gp	Method	AAT/GAP
Start	12021	End	14516
GI	LIB3474-011-P1-K1-B9	Score	521
Exons	12021..12187, 14241..14345, 14452..14516		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 3.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102485	Strand	+
Start	11225	End	14643
Name	OJ000315_09.0412.C11.o4.gs	Method	GENSCAN
Start	12034	End	14643
GI	none	Score	.8
Exons	12034..12187, 12882..13035, 14418..14643		

Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102486	Strand	+
Start	15631	End	16147
Name	OJ000315_09.0412.C11.o4.gp	Method	AAT/GAP
Start	15631	End	16147
GI	none	Score	962
Exons	15631..16147		

Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102487	Strand	-
Start	4911	End	7219
Name	OJ000315_09.0412.C11.o2.gs	Method	GENSCAN
Start	4911	End	7219
GI	none	Score	.89
Exons	4911..5248, 5361..5441, 6775..7219		

Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102488	Strand	-
Start	10450	End	11298
Name	OJ000315_09.0412.C11.o2.ts	Method	TBLASTX:Soybean
Start	1846	End	2062
GI	none	Score	220
Exons	1846..2061, 1847..2062		

Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102488	Strand	-
Start	10450	End	11298
Name	OJ000315_09.0412.C11.o1.tm	Method	TBLASTX:Maize
Start	1997	End	2685

GI	none	Score	240
Exons	1997..2233, 2000..2230, 2461..2523, 2461..2676, 2462..2683, 2462..2683, 2584..2685		
Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102488	Strand	-
Start	10450	End	11298
Name	OJ000315_09.0412.C11.o1.ts	Method	TBLASTX:Soybean
Start	2630	End	3101
GI	none	Score	607
Exons	2630..3091, 2630..2845, 2635..3081, 2868..3101		
Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102488	Strand	-
Start	10450	End	11298
Name	OJ000315_09.0412.C11.o2.tm	Method	TBLASTX:Maize
Start	2889	End	3093
GI	none	Score	252
Exons	2889..3080, 2890..3093, 2891..3091		
Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102488	Strand	-
Start	10450	End	11298
Name	OJ000315_09.0412.C11.o3.gs	Method	GENSCAN
Start	10450	End	11298
GI	none	Score	.66
Exons	10450..10718, 11157..11298		
Seq. No.	48128	Seq. ID	OJ000315_09.0412.C11
Gene No.	102489	Strand	
Start	12030	End	12186
Name	OJ000315_09.0412.C11.o3.tm	Method	TBLASTX:Maize
Start	12030	End	12186
GI	none	Score	235
Exons	12030..12170, 12031..12186		
Seq. No.	48129	Seq. ID	OJ000315_09.0412.C13
Gene No.	102490	Strand	+
Start	1667	End	5855
Name	OJ000315_09.0412.C13.o1.gp	Method	AAT/GAP
Start	1667	End	5855
GI	618_1.R1084	Score	3230
Exons	1667..1859, 3961..4462, 4872..5855		
GI Descrip.	'3915029/sp|Q40731|STAD_ORYSA 0.0e+00 ACYL-[ACYL-CARRIER PROTEIN] DESATURASE PRECURSOR (STEAROYL-ACP DESATURASE) >gi_976257_dbj_BAA07631_ (D38753) stearyl-ACP desaturase [Oryza sativa]!		
Seq. No.	48129	Seq. ID	OJ000315_09.0412.C13
Gene No.	102490	Strand	+
Start	1667	End	5855
Name	OJ000315_09.0412.C13.o1.gs	Method	GENSCAN
Start	1685	End	5432
GI	none	Score	.87
Exons	1685..1859, 3961..4462, 4872..5432		
Seq. No.	48129	Seq. ID	OJ000315_09.0412.C13

Gene No.	102490	Strand	+
Start	1667	End	5855
Name	OJ000315_09.0412.C13.o1.tm	Method	TBLASTX:Maize
Start	1749	End	5526
GI	none	Score	35
Exons	1749..1769, 1805..1870, 1805..1858, 3946..4464, 3959..4462, 3960..4463, 4273..4464, 4355..4471, 4871..5434, 4872..5450, 4872..5438, 5119..5526, 5389..5448, 5486..5521		

Seq. No.	48129	Seq. ID	OJ000315_09.0412.C13
Gene No.	102490	Strand	+
Start	1667	End	5855
Name	OJ000315_09.0412.C13.o1.np	Method	AAT/NAP
Start	1750	End	5429
GI	3915029	Score	1954
Exons	1750..1859, 3961..4462, 4872..5429		
GI Descrip.	ACYL-[ACYL-CARRIER PROTEIN] DESATURASE PRECURSOR (STEAROYL-ACP DESATURASE) gi|976257|dbj|BAA07631| (D38753) stearyl-ACP desaturase [Oryza sativa]		

Seq. No.	48129	Seq. ID	OJ000315_09.0412.C13
Gene No.	102490	Strand	+
Start	1667	End	5855
Name	OJ000315_09.0412.C13.o1.tc	Method	TBLASTX:Cress
Start	3961	End	5379
GI	none	Score	684
Exons	3961..4149, 3962..4462, 3976..4470, 3998..4303, 4213..4464, 4871..5254, 4871..5335, 4872..5378, 4884..5378, 5122..5379		

Seq. No.	48129	Seq. ID	OJ000315_09.0412.C13
Gene No.	102490	Strand	+
Start	1667	End	5855
Name	OJ000315_09.0412.C13.o1.ts	Method	TBLASTX:Soybean
Start	3961	End	5421
GI	none	Score	124
Exons	3961..4050, 3962..4051, 4048..4464, 4049..4462, 4059..4463, 4288..4470, 4870..5265, 4871..5335, 4872..5420, 5022..5420, 5302..5421		

Seq. No.	48129	Seq. ID	OJ000315_09.0412.C13
Gene No.	102490	Strand	+
Start	1667	End	5855
Name	OJ000315_09.0412.C13.o1.tw	Method	TBLASTX:Wheat
Start	4980	End	5405
GI	none	Score	533
Exons	4980..5342, 4982..5314, 5334..5405, 5349..5405		

Seq. No.	48130	Seq. ID	OJ000315_09.0412.C14
Gene No.	102491	Strand	-
Start	612	End	707
Name	OJ000315_09.0412.C14.o1.gs	Method	GENSCAN
Start	612	End	707
GI	none	Score	.98
Exons	612..707		

Seq. No.	48131	Seq. ID	OJ000315_09.0412.C16
Gene No.	102492	Strand	-

Start	1	End	345
Name	OJ000315_09.0412.C16.o2.gp	Method	AAT/GAP
Start	1	End	345
GI	none	Score	387
Exons	1..23, 121..345		

Seq. No.	48132	Seq. ID	OJ000315_09.0412.C17
Gene No.	102493	Strand	+
Start	5318	End	6114
Name	OJ000315_09.0412.C17.o2.np	Method	AAT/NAP
Start	5318	End	6114
GI	7488425	Score	489
Exons	5318..5444, 5772..5868, 5950..6114		
GI Descrip.	violaxanthin de-epoxidase homolog F22O13.3 - Arabidopsis thaliana gi|1465735|gb|AAC50032.1| (U44133) violaxanthin de-epoxidase precursor [Arabidopsis thaliana] gi|3063441|gb|AAC14029.1| (AC003981) F22O13.3 [Arabidopsis thaliana]		

Seq. No.	48132	Seq. ID	OJ000315_09.0412.C17
Gene No.	102494	Strand	-
Start	394	End	6114
Name	OJ000315_09.0412.C17.o1.gs	Method	GENSCAN
Start	394	End	4296
GI	none	Score	.87
Exons	394..492, 695..796, 944..1193, 2103..2170, 2606..2704, 3107..3171, 3271..3372, 3725..3830, 3934..4296		

Seq. No.	48132	Seq. ID	OJ000315_09.0412.C17
Gene No.	102494	Strand	-
Start	394	End	6114
Name	OJ000315_09.0412.C17.o1.np	Method	AAT/NAP
Start	2665	End	6114
GI	6016874	Score	67
Exons	2665..2686, 4143..4304, 6032..6114		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	48132	Seq. ID	OJ000315_09.0412.C17
Gene No.	102494	Strand	-
Start	394	End	6114
Name	OJ000315_09.0412.C17.o1.gp	Method	AAT/GAP
Start	3106	End	3817
GI	3106845	Score	484
Exons	3106..3171, 3271..3372, 3499..3565, 3725..3817		

Seq. No.	48132	Seq. ID	OJ000315_09.0412.C17
Gene No.	102494	Strand	-
Start	394	End	6114
Name	OJ000315_09.0412.C17.o2.gs	Method	GENSCAN
Start	4969	End	6095
GI	none	Score	.76
Exons	4969..5103, 5286..5560, 5924..6095		

Seq. No.	48132	Seq. ID	OJ000315_09.0412.C17
Gene No.	102494	Strand	-

Start	394	End	6114
Name	OJ000315_09.0412.C17.o1.tc	Method	TBLASTX:Cress
Start	5311	End	6114
GI	none	Score	141
Exons	5311..5445, 5355..5444, 5647..5679, 5769..5867, 5770..5871, 5943..6095, 5943..6110, 5947..6114, 5950..6114		

Seq. No.	48132	Seq. ID	OJ000315_09.0412.C17
Gene No.	102494	Strand	-
Start	394	End	6114
Name	OJ000315_09.0412.C17.o1.ts	Method	TBLASTX:Soybean
Start	5773	End	6114
GI	none	Score	84
Exons	5773..5826, 5775..5822, 5827..5871, 5832..5867, 5943..6113, 5950..6114		

Seq. No.	48132	Seq. ID	OJ000315_09.0412.C17
Gene No.	102494	Strand	-
Start	394	End	6114
Name	OJ000315_09.0412.C17.o1.tm	Method	TBLASTX:Maize
Start	5953	End	6114
GI	none	Score	266
Exons	5953..6114, 5953..6111, 5955..6113		

Seq. No.	48133	Seq. ID	OJ000315_09.0412.C18
Gene No.	102495	Strand	+
Start	1	End	804
Name	OJ000315_09.0412.C18.o1.np	Method	AAT/NAP
Start	1	End	784
GI	7488425	Score	930
Exons	1..204, 274..784		
GI Descrip.	violaxanthin de-epoxidase homolog F22O13.3 - Arabidopsis thaliana gi|1465735|gb|AAC50032.1| (U44133) violaxanthin de-epoxidase precursor [Arabidopsis thaliana] gi|3063441|gb|AAC14029.1| (AC003981) F22O13.3 [Arabidopsis thaliana]		

Seq. No.	48133	Seq. ID	OJ000315_09.0412.C18
Gene No.	102495	Strand	+
Start	1	End	804
Name	OJ000315_09.0412.C18.o1.tc	Method	TBLASTX:Cress
Start	1	End	787
GI	none	Score	90
Exons	1..57, 2..55, 53..205, 55..207, 76..207, 269..541, 271..546, 617..787, 659..787		

Seq. No.	48133	Seq. ID	OJ000315_09.0412.C18
Gene No.	102495	Strand	+
Start	1	End	804
Name	OJ000315_09.0412.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	300
GI	none	Score	201
Exons	1..114, 2..157, 113..211, 124..207, 274..300		

Seq. No.	48133	Seq. ID	OJ000315_09.0412.C18
Gene No.	102495	Strand	+
Start	1	End	804

Name	OJ000315_09.0412.C18.o1.gs	Method	GENSCAN
Start	115	End	787
GI	none	Score	.44
Exons	115..204, 274..787		

Seq. No.	48133	Seq. ID	OJ000315_09.0412.C18
Gene No.	102495	Strand	+
Start	1	End	804
Name	OJ000315_09.0412.C18.o2.tm	Method	TBLASTX:Maize
Start	400	End	541
GI	none	Score	209
Exons	400..540, 401..541		

Seq. No.	48133	Seq. ID	OJ000315_09.0412.C18
Gene No.	102495	Strand	+
Start	1	End	804
Name	OJ000315_09.0412.C18.o1.ts	Method	TBLASTX:Soybean
Start	482	End	804
GI	none	Score	90
Exons	482..544, 484..546, 617..790, 724..804		

Seq. No.	48134	Seq. ID	OJ000315_09.0412.C19
Gene No.	102496	Strand	-
Start	426	End	1236
Name	OJ000315_09.0412.C19.o1.np	Method	AAT/NAP
Start	426	End	671
GI	7489517	Score	83
Exons	426..671		
GI Descrip.	NOI protein - rice gi|2642217|gb|AAB86939.1| (AF030387) NOI protein [Oryza sativa]		

Seq. No.	48134	Seq. ID	OJ000315_09.0412.C19
Gene No.	102496	Strand	-
Start	426	End	1236
Name	OJ000315_09.0412.C19.o1.tm	Method	TBLASTX:Maize
Start	488	End	1236
GI	none	Score	214
Exons	488..649, 495..659, 496..660, 740..946, 744..857, 747..899, 780..962, 805..963, 927..1061, 969..1073, 1077..1235, 1077..1235, 1078..1236, 1138..1236		

Seq. No.	48134	Seq. ID	OJ000315_09.0412.C19
Gene No.	102496	Strand	-
Start	426	End	1236
Name	OJ000315_09.0412.C19.o1.gp	Method	AAT/GAP
Start	561	End	1125
GI	none	Score	847
Exons	561..665, 762..1125		

Seq. No.	48135	Seq. ID	OJ000315_09.0412.C20
Gene No.	102497	Strand	+
Start	1286	End	1723
Name	OJ000315_09.0412.C20.o1.gs	Method	GENSCAN
Start	1286	End	1723
GI	none	Score	.74
Exons	1286..1405, 1646..1723		

Seq. No.	48135	Seq. ID	OJ000315_09.0412.C20
Gene No.	102498	Strand	-
Start	8202	End	8360
Name	OJ000315_09.0412.C20.o3.gs	Method	GENSCAN
Start	8202	End	8360
GI	none	Score	.41
Exons	8202..8360		

Seq. No.	48136	Seq. ID	OJ000315_09.0412.C24
Gene No.	102499	Strand	-
Start	595	End	2049
Name	OJ000315_09.0412.C24.o1.gs	Method	GENSCAN
Start	595	End	2049
GI	none	Score	.54
Exons	595..657, 1248..1386, 1756..1824, 1878..2049		

Seq. No.	48136	Seq. ID	OJ000315_09.0412.C24
Gene No.	102499	Strand	-
Start	595	End	2049
Name	OJ000315_09.0412.C24.o1.gp	Method	AAT/GAP
Start	1294	End	1392
GI	none	Score	131
Exons	1294..1392		

Seq. No.	48137	Seq. ID	OJ000315_09.0412.C25
Gene No.	102500	Strand	+
Start	1387	End	3242
Name	OJ000315_09.0412.C25.o1.gs	Method	GENSCAN
Start	1387	End	3242
GI	none	Score	.58
Exons	1387..1622, 1711..1789, 2701..2769, 3135..3242		

Seq. No.	48137	Seq. ID	OJ000315_09.0412.C25
Gene No.	102500	Strand	+
Start	1387	End	3242
Name	OJ000315_09.0412.C25.o1.np	Method	AAT/NAP
Start	1567	End	3242
GI	6136533	Score	215
Exons	1567..1622, 1711..1789, 2701..2769, 3135..3242		
GI Descrip.	YCF49-LIKE PROTEIN gi|7469614|pir||S76515 hypothetical protein - Synechocystis sp. (strain PCC 6803) gi|1001630|dbj|BAA10361.1| (D64002) hypothetical protein [Synechocystis sp.]		

Seq. No.	48137	Seq. ID	OJ000315_09.0412.C25
Gene No.	102501	Strand	-
Start	127	End	336
Name	OJ000315_09.0412.C25.o1.gp	Method	AAT/GAP
Start	127	End	336
GI	none	Score	323
Exons	127..336		

Seq. No.	48137	Seq. ID	OJ000315_09.0412.C25
Gene No.	102502	Strand	
Start	1537	End	2846
Name	OJ000315_09.0412.C25.o1.tm	Method	TBLASTX:Maize
Start	1537	End	2846
GI	none	Score	90

Exons	1537..1623, 1576..1641, 1709..1792, 1712..1792, 2700..2846, 2713..2778		
Seq. No.	48138	Seq. ID	OJ000315_09.0412.C26
Gene No.	102503	Strand	-
Start	689	End	907
Name	OJ000315_09.0412.C26.o1.gs	Method	GENSCAN
Start	689	End	907
GI	none	Score	.56
Exons	689..907		
Seq. No.	48139	Seq. ID	OJ000115_40.0307.C1
Gene No.	102504	Strand	-
Start	1067	End	1170
Name	OJ000115_40.0307.C1.o1.gp	Method	AAT/GAP
Start	1067	End	1170
GI	LIB3477-003-P1-K1-E9	Score	141
Exons	1067..1170		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	48140	Seq. ID	OJ000115_40.0307.C2
Gene No.	102505	Strand	+
Start	6531	End	7054
Name	OJ000115_40.0307.C2.o2.gp	Method	AAT/GAP
Start	6531	End	7054
GI	1631639	Score	528
Exons	6531..6675, 6788..6821, 6928..7054		
Seq. No.	48140	Seq. ID	OJ000115_40.0307.C2
Gene No.	102506	Strand	-
Start	1	End	180
Name	OJ000115_40.0307.C2.o1.gp	Method	AAT/GAP
Start	1	End	180
GI	LIB3479-006-Q6-K1-E11	Score	243
Exons	1..180		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-11 Homo sapiens PEX1 mRNA, complete cds'		
Seq. No.	48140	Seq. ID	OJ000115_40.0307.C2
Gene No.	102507	Strand	
Start	6603	End	7168
Name	OJ000115_40.0307.C2.o1.tm	Method	TBLASTX:Maize
Start	6603	End	7112
GI	none	Score	47
Exons	6603..6671, 6603..6683, 6788..6820, 6788..6820, 6924..7112, 6926..7105		
Seq. No.	48140	Seq. ID	OJ000115_40.0307.C2
Gene No.	102507	Strand	
Start	6603	End	7168
Name	OJ000115_40.0307.C2.o1.tc	Method	TBLASTX:Cress
Start	6921	End	7109
GI	none	Score	252
Exons	6921..7109, 6926..7105		

Seq. No.	48140	Seq. ID	OJ000115_40.0307.C2
Gene No.	102507	Strand	
Start	6603	End	7168
Name	OJ000115_40.0307.C2.o1.ts	Method	TBLASTX:Soybean
Start	6921	End	7112
GI	none	Score	271
Exons	6921..7112, 6926..7105		

Seq. No.	48140	Seq. ID	OJ000115_40.0307.C2
Gene No.	102507	Strand	
Start	6603	End	7168
Name	OJ000115_40.0307.C2.o1.tw	Method	TBLASTX:Wheat
Start	6927	End	7168
GI	none	Score	301
Exons	6927..7136, 6929..7117, 7073..7168		

Seq. No.	48141	Seq. ID	OJ000115_40.0307.C3
Gene No.	102508	Strand	+
Start	1250	End	1595
Name	OJ000115_40.0307.C3.o1.gp	Method	AAT/GAP
Start	1250	End	1595
GI	none	Score	681
Exons	1250..1595		

Seq. No.	48142	Seq. ID	OJ000115_40.0307.C4
Gene No.	102509	Strand	+
Start	148	End	1234
Name	OJ000115_40.0307.C4.o1.gp	Method	AAT/GAP
Start	148	End	1234
GI	22598_1.R1084	Score	1549
Exons	148..520, 605..811, 904..971, 1060..1234		
GI Descrip.	'5051775/emb|CAB45068.1| 4.0e-44 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	48142	Seq. ID	OJ000115_40.0307.C4
Gene No.	102510	Strand	+
Start	3486	End	4067
Name	OJ000115_40.0307.C4.o2.gp	Method	AAT/GAP
Start	3486	End	4067
GI	3761796	Score	854
Exons	3486..3553, 3672..4067		

Seq. No.	48142	Seq. ID	OJ000115_40.0307.C4
Gene No.	102511	Strand	-
Start	11181	End	12720
Name	OJ000115_40.0307.C4.o1.tm	Method	TBLASTX:Maize
Start	293	End	890
GI	none	Score	335
Exons	293..520, 299..520, 304..522, 579..758, 604..678, 606..839, 715..840, 858..890		

Seq. No.	48142	Seq. ID	OJ000115_40.0307.C4
Gene No.	102511	Strand	-
Start	11181	End	12720
Name	OJ000115_40.0307.C4.o1.ts	Method	TBLASTX:Soybean
Start	301	End	661
GI	none	Score	124

Exons	301..513, 302..523, 310..507, 314..532, 599..661		
Seq. No.	48142	Seq. ID	OJ000115_40.0307.C4
Gene No.	102511	Strand	-
Start	11181	End	12720
Name	OJ000115_40.0307.C4.o1.tc	Method	TBLASTX:Cress
Start	320	End	853
GI	none	Score	223
Exons	320..454, 329..517, 334..513, 479..514, 602..679, 613..678, 740..853, 800..841		
Seq. No.	48142	Seq. ID	OJ000115_40.0307.C4
Gene No.	102511	Strand	-
Start	11181	End	12720
Name	OJ000115_40.0307.C4.o3.tm	Method	TBLASTX:Maize
Start	2271	End	3842
GI	none	Score	213
Exons	2271..2441, 2275..2439, 2535..2669, 2566..2670, 3398..3556, 3400..3552, 3407..3559, 3672..3773, 3672..3767, 3679..3771, 3813..3842		
Seq. No.	48142	Seq. ID	OJ000115_40.0307.C4
Gene No.	102511	Strand	-
Start	11181	End	12720
Name	OJ000115_40.0307.C4.o4.tm	Method	TBLASTX:Maize
Start	4469	End	4643
GI	none	Score	80
Exons	4469..4627, 4470..4637, 4470..4643		
Seq. No.	48142	Seq. ID	OJ000115_40.0307.C4
Gene No.	102511	Strand	-
Start	11181	End	12720
Name	OJ000115_40.0307.C4.o2.tm	Method	TBLASTX:Maize
Start	5009	End	6138
GI	none	Score	78
Exons	5009..5077, 5009..5074, 5450..5542, 5451..5543, 5452..5571, 5455..5547, 5620..5754, 5621..5752, 5621..5782, 5622..5753, 6097..6138		
Seq. No.	48142	Seq. ID	OJ000115_40.0307.C4
Gene No.	102511	Strand	-
Start	11181	End	12720
Name	OJ000115_40.0307.C4.o2.ts	Method	TBLASTX:Soybean
Start	5656	End	9584
GI	none	Score	67
Exons	5656..5754, 5657..5752, 6411..6458, 7946..8041, 7950..8027, 7952..8035, 8312..8380, 8314..8385, 8533..8673, 8546..8668, 9298..9387, 9516..9584, 9526..9582		
Seq. No.	48142	Seq. ID	OJ000115_40.0307.C4
Gene No.	102511	Strand	-
Start	11181	End	12720
Name	OJ000115_40.0307.C4.o2.tc	Method	TBLASTX:Cress
Start	7943	End	9396
GI	none	Score	90
Exons	7943..8041, 8312..8386, 8314..8385, 8533..8667, 8542..8664, 8543..8668, 9298..9396, 9307..9396		

Seq. No.	48142	Seq. ID	OJ000115_40.0307.C4
Gene No.	102511	Strand	-
Start	11181	End	12720
Name	OJ000115_40.0307.C4.o6.tm	Method	TBLASTX:Maize
Start	7977	End	8667
GI	none	Score	61
Exons	7977..8036, 7977..8060, 7978..8040, 8300..8356, 8303..8386, 8307..8390, 8307..8381, 8314..8385, 8520..8666, 8542..8667, 8544..8666, 8548..8667		

Seq. No.	48142	Seq. ID	OJ000115_40.0307.C4
Gene No.	102511	Strand	-
Start	11181	End	12720
Name	OJ000115_40.0307.C4.o5.tm	Method	TBLASTX:Maize
Start	9307	End	10516
GI	none	Score	80
Exons	9307..9387, 9311..9388, 9312..9386, 9313..9408, 9516..9623, 9517..9621, 9669..9755, 9677..9748, 9679..9762, 9682..9762, 10269..10373, 10269..10370, 10280..10372, 10451..10516, 10462..10515		

Seq. No.	48142	Seq. ID	OJ000115_40.0307.C4
Gene No.	102511	Strand	-
Start	11181	End	12720
Name	OJ000115_40.0307.C4.o3.gp	Method	AAT/GAP
Start	11181	End	12720
GI	2384_1.R1084	Score	812
Exons	11181..11516, 12591..12720		
GI Descrip.	'676884/dbj|BAA06151| 1.0e-25 (D29681) The expression is induced by Pi starvation. [Nicotiana tabacum] >gi_1094819_prf__2106387C Al-induced protein [Nicotiana tabacum]'		

Seq. No.	48143	Seq. ID	OJ000115_40.0307.C5
Gene No.	102512	Strand	+
Start	490	End	989
Name	OJ000115_40.0307.C5.o1.gp	Method	AAT/GAP
Start	490	End	989
GI	LIB3475-007-P1-K1-G8	Score	809
Exons	490..662, 739..989		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	48143	Seq. ID	OJ000115_40.0307.C5
Gene No.	102513	Strand	+
Start	2171	End	2624
Name	OJ000115_40.0307.C5.o2.gp	Method	AAT/GAP
Start	2171	End	2624
GI	LIB3431-045-P1-N1-A10	Score	840
Exons	2171..2624		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	48143	Seq. ID	OJ000115_40.0307.C5
Gene No.	102514	Strand	-
Start	2567	End	3006

Name	OJ000115_40.0307.C5.o3.gp	Method	AAT/GAP
Start	2567	End	3006
GI	7406_1.R1084	Score	580
Exons	2567..2641, 2676..3006		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	48143	Seq. ID	OJ000115_40.0307.C5
Gene No.	102515	Strand	
Start	5792	End	6458
Name	OJ000115_40.0307.C5.o1.tm	Method	TBLASTX:Maize
Start	5792	End	6458
GI	none	Score	156
Exons	5792..5836, 5888..5950, 6029..6238, 6042..6233, 6079..6234, 6387..6458, 6406..6456, 6407..6457		

Seq. No.	48144	Seq. ID	OJ000115_40.0307.C6
Gene No.	102516	Strand	
Start	1339	End	1637
Name	OJ000115_40.0307.C6.o1.tc	Method	TBLASTX:Cress
Start	1339	End	1630
GI	none	Score	46
Exons	1339..1431, 1364..1432, 1403..1456, 1521..1628, 1538..1630		

Seq. No.	48144	Seq. ID	OJ000115_40.0307.C6
Gene No.	102516	Strand	
Start	1339	End	1637
Name	OJ000115_40.0307.C6.o1.ts	Method	TBLASTX:Soybean
Start	1339	End	1630
GI	none	Score	54
Exons	1339..1431, 1403..1456, 1413..1454, 1538..1630, 1539..1628		

Seq. No.	48144	Seq. ID	OJ000115_40.0307.C6
Gene No.	102516	Strand	
Start	1339	End	1637
Name	OJ000115_40.0307.C6.o1.tw	Method	TBLASTX:Wheat
Start	1339	End	1637
GI	none	Score	43
Exons	1339..1431, 1358..1432, 1403..1456, 1413..1454, 1538..1630, 1539..1628, 1539..1637		

Seq. No.	48144	Seq. ID	OJ000115_40.0307.C6
Gene No.	102516	Strand	
Start	1339	End	1637
Name	OJ000115_40.0307.C6.o1.tm	Method	TBLASTX:Maize
Start	1339	End	1630
GI	none	Score	51
Exons	1339..1431, 1358..1432, 1399..1455, 1403..1456, 1404..1454, 1420..1455, 1519..1629, 1538..1630, 1539..1628		

Seq. No.	48145	Seq. ID	OJ000115_40.0307.C7
Gene No.	102517	Strand	-
Start	1855	End	1976
Name	OJ000115_40.0307.C7.o2.tm	Method	TBLASTX:Maize
Start	693	End	1500
GI	none	Score	62
Exons	693..839, 802..903, 803..904, 803..904, 804..905, 834..905,		

883..1062, 905..955, 906..956, 906..971, 961..1020, 1021..1173,
1024..1146, 1239..1268, 1270..1302, 1271..1297, 1306..1449,
1326..1418, 1339..1500

Seq. No.	48145	Seq. ID	OJ000115_40.0307.C7
Gene No.	102517	Strand	-
Start	1855	End	1976
Name	OJ000115_40.0307.C7.o2.tc	Method	TBLASTX:Cress
Start	803	End	1152
GI	none	Score	107
Exons	803..898, 906..974, 977..1015, 1021..1152		

Seq. No.	48145	Seq. ID	OJ000115_40.0307.C7
Gene No.	102517	Strand	-
Start	1855	End	1976
Name	OJ000115_40.0307.C7.o2.ts	Method	TBLASTX:Soybean
Start	803	End	1413
GI	none	Score	114
Exons	803..898, 803..895, 903..965, 906..956, 977..1015, 1020..1109, 1021..1146, 1271..1297, 1360..1413		

Seq. No.	48145	Seq. ID	OJ000115_40.0307.C7
Gene No.	102517	Strand	-
Start	1855	End	1976
Name	OJ000115_40.0307.C7.o1.gp	Method	AAT/GAP
Start	1855	End	1976
GI	1632297	Score	152
Exons	1855..1976		

Seq. No.	48145	Seq. ID	OJ000115_40.0307.C7
Gene No.	102518	Strand	
Start	1966	End	3294
Name	OJ000115_40.0307.C7.o1.tc	Method	TBLASTX:Cress
Start	1966	End	3282
GI	none	Score	206
Exons	1966..2262, 2554..2682, 2689..2958, 2941..3162, 3175..3282		

Seq. No.	48145	Seq. ID	OJ000115_40.0307.C7
Gene No.	102518	Strand	
Start	1966	End	3294
Name	OJ000115_40.0307.C7.o1.tm	Method	TBLASTX:Maize
Start	1978	End	3207
GI	none	Score	125
Exons	1978..2100, 1989..2102, 2089..2154, 2145..2249, 2152..2277, 2554..2682, 2692..2928, 2935..3156, 2937..3044, 3163..3207		

Seq. No.	48145	Seq. ID	OJ000115_40.0307.C7
Gene No.	102518	Strand	
Start	1966	End	3294
Name	OJ000115_40.0307.C7.o1.ts	Method	TBLASTX:Soybean
Start	1978	End	3294
GI	none	Score	312
Exons	1978..2262, 2001..2258, 2553..2711, 2554..3294, 2943..3194		

Seq. No.	48145	Seq. ID	OJ000115_40.0307.C7
Gene No.	102518	Strand	
Start	1966	End	3294

Name	OJ000115_40.0307.C7.o1.tw	Method	TBLASTX:Wheat
Start	2967	End	3285
GI	none	Score	240
Exons	2967..3161, 2968..3162, 3153..3194, 3154..3285, 3211..3261		

Seq. No.	48146	Seq. ID	OJ000115_40.0307.C11
Gene No.	102521	Strand	
Start	14905	End	18695
Name	OJ000115_40.0307.C11.o3.ts	Method	TBLASTX:Soybean
Start	14905	End	15337
GI	none	Score	34
Exons	14905..14928, 14995..15126, 15003..15122, 15134..15220, 15257..15337		

Seq. No.	48146	Seq. ID	OJ000115_40.0307.C11
Gene No.	102521	Strand	
Start	14905	End	18695
Name	OJ000115_40.0307.C11.o4.tm	Method	TBLASTX:Maize
Start	14905	End	15223
GI	none	Score	40
Exons	14905..14928, 15001..15126, 15003..15122, 15137..15220, 15146..15223		

Seq. No.	48146	Seq. ID	OJ000115_40.0307.C11
Gene No.	102521	Strand	
Start	14905	End	18695
Name	OJ000115_40.0307.C11.o2.tc	Method	TBLASTX:Cress
Start	14995	End	18558
GI	none	Score	95
Exons	14995..15126, 15137..15217, 17454..17684, 17516..17611, 17669..17749, 17898..18023, 17924..18022, 18032..18184, 18033..18230, 18277..18558, 18282..18452		

Seq. No.	48146	Seq. ID	OJ000115_40.0307.C11
Gene No.	102521	Strand	
Start	14905	End	18695
Name	OJ000115_40.0307.C11.o1.tm	Method	TBLASTX:Maize
Start	17454	End	18558
GI	none	Score	123
Exons	17454..17600, 17489..17578, 17583..17651, 17666..17749, 17898..18023, 18033..18230, 18277..18558, 18291..18506		

Seq. No.	48146	Seq. ID	OJ000115_40.0307.C11
Gene No.	102521	Strand	
Start	14905	End	18695
Name	OJ000115_40.0307.C11.o2.ts	Method	TBLASTX:Soybean
Start	17465	End	18558
GI	none	Score	240
Exons	17465..17620, 17478..17684, 17669..17758, 17898..18026, 17927..18025, 18036..18230, 18038..18184, 18277..18507, 18279..18506, 18508..18558		

Seq. No.	48146	Seq. ID	OJ000115_40.0307.C11
Gene No.	102521	Strand	
Start	14905	End	18695
Name	OJ000115_40.0307.C11.o2.tw	Method	TBLASTX:Wheat
Start	17681	End	18008

GI	none	Score	89
Exons	17681..17761, 17681..17761, 17748..17771, 17877..18008, 17880..17960, 17903..18007		
Seq. No.	48146	Seq. ID	OJ000115_40.0307.C11
Gene No.	102521	Strand	
Start	14905	End	18695
Name	OJ000115_40.0307.C11.o1.tw	Method	TBLASTX:Wheat
Start	18318	End	18695
GI	none	Score	389
Exons	18318..18521, 18319..18657, 18513..18695, 18539..18658		
Seq. No.	48146	Seq. ID	OJ000115_40.0307.C11
Gene No.	102522	Strand	
Start	20156	End	21334
Name	OJ000115_40.0307.C11.o1.tc	Method	TBLASTX:Cress
Start	20156	End	21321
GI	none	Score	269
Exons	20156..20656, 20214..20654, 20669..20806, 20873..21181, 20910..21152, 21184..21267, 21253..21321, 21257..21316		
Seq. No.	48146	Seq. ID	OJ000115_40.0307.C11
Gene No.	102522	Strand	
Start	20156	End	21334
Name	OJ000115_40.0307.C11.o1.ts	Method	TBLASTX:Soybean
Start	20156	End	21327
GI	none	Score	243
Exons	20156..20656, 20211..20654, 20669..20806, 20712..20771, 20858..21070, 20873..21136, 20910..21149, 21184..21267, 21184..21246, 21259..21327, 21260..21304		
Seq. No.	48146	Seq. ID	OJ000115_40.0307.C11
Gene No.	102522	Strand	
Start	20156	End	21334
Name	OJ000115_40.0307.C11.o2.tm	Method	TBLASTX:Maize
Start	21104	End	21334
GI	none	Score	94
Exons	21104..21181, 21105..21170, 21131..21226, 21184..21333, 21185..21334		
Seq. No.	48147	Seq. ID	OJ000115_40.0307.C12
Gene No.	102523	Strand	+
Start	2958	End	3897
Name	OJ000115_40.0307.C12.o2.gp	Method	AAT/GAP
Start	2958	End	3897
GI	39571_1.R1084	Score	974
Exons	2958..3224, 3423..3479, 3572..3662, 3780..3897		
GI Descrip.	'4803931/gb|AAD29804.1|AC006264_12 8.0e-31 (AC006264) unknown protein [Arabidopsis thaliana]'		
Seq. No.	48147	Seq. ID	OJ000115_40.0307.C12
Gene No.	102524	Strand	+
Start	5464	End	5981
Name	OJ000115_40.0307.C12.o3.gp	Method	AAT/GAP
Start	5464	End	5981
GI	none	Score	1012
Exons	5464..5981		

Seq. No.	48147	Seq. ID	OJ000115_40.0307.C12
Gene No.	102525	Strand	-
Start	1	End	69
Name	OJ000115_40.0307.C12.o1.gp	Method	AAT/GAP
Start	1	End	69
GI	42536_1.R1084	Score	134
Exons	1..69		
GI Descrip.	'4589981/gb|AAD26498.1|AC007195_12 7.0e-14 (AC007195) amidophosphoribosyltransferase [Arabidopsis thaliana]'		

Seq. No.	48147	Seq. ID	OJ000115_40.0307.C12
Gene No.	102526	Strand	
Start	3070	End	5603
Name	OJ000115_40.0307.C12.o2.tm	Method	TBLASTX:Maize
Start	3070	End	3890
GI	none	Score	164
Exons	3070..3189, 3071..3193, 3417..3467, 3419..3478, 3421..3480, 3571..3660, 3571..3660, 3573..3698, 3754..3888, 3777..3890, 3777..3890		

Seq. No.	48147	Seq. ID	OJ000115_40.0307.C12
Gene No.	102526	Strand	
Start	3070	End	5603
Name	OJ000115_40.0307.C12.o3.ts	Method	TBLASTX:Soybean
Start	3112	End	3702
GI	none	Score	92
Exons	3112..3189, 3116..3193, 3419..3478, 3421..3483, 3571..3702, 3576..3662		

Seq. No.	48147	Seq. ID	OJ000115_40.0307.C12
Gene No.	102526	Strand	
Start	3070	End	5603
Name	OJ000115_40.0307.C12.o1.tw	Method	TBLASTX:Wheat
Start	3564	End	4285
GI	none	Score	135
Exons	3564..3674, 3571..3660, 3778..3942, 3783..3953, 4015..4143, 4232..4285		

Seq. No.	48147	Seq. ID	OJ000115_40.0307.C12
Gene No.	102526	Strand	
Start	3070	End	5603
Name	OJ000115_40.0307.C12.o2.ts	Method	TBLASTX:Soybean
Start	3777	End	3942
GI	none	Score	193
Exons	3777..3941, 3778..3942		

Seq. No.	48147	Seq. ID	OJ000115_40.0307.C12
Gene No.	102526	Strand	
Start	3070	End	5603
Name	OJ000115_40.0307.C12.o1.tm	Method	TBLASTX:Maize
Start	3891	End	5603
GI	none	Score	73
Exons	3891..3938, 3892..3939, 4011..4145, 4012..4143, 4012..4155, 4231..4371, 4231..4368, 4287..4373, 4445..4540, 4445..4540, 4447..4545, 4447..4542, 4626..4757, 4627..4767, 4631..4732, 5445..5531, 5448..5537, 5514..5603, 5520..5585		

Seq. No.	48147	Seq. ID	OJ000115_40.0307.C12
Gene No.	102526	Strand	-
Start	3070	End	5603
Name	OJ000115_40.0307.C12.o1.tc	Method	TBLASTX:Cress
Start	3904	End	4542
GI	none	Score	49
Exons	3904..3939, 3990..4145, 4012..4143, 4231..4368, 4232..4369, 4237..4371, 4445..4537, 4447..4542, 4447..4542		

Seq. No.	48147	Seq. ID	OJ000115_40.0307.C12
Gene No.	102526	Strand	
Start	3070	End	5603
Name	OJ000115_40.0307.C12.o1.ts	Method	TBLASTX:Soybean
Start	4044	End	4540
GI	none	Score	104
Exons	4044..4142, 4075..4143, 4207..4362, 4232..4369, 4235..4312, 4445..4540, 4451..4540		

Seq. No.	48147	Seq. ID	OJ000115_40.0307.C12
Gene No.	102527	Strand	
Start	10115	End	10393
Name	OJ000115_40.0307.C12.o3.tm	Method	TBLASTX:Maize
Start	10115	End	10393
GI	none	Score	59
Exons	10115..10318, 10242..10319, 10318..10392, 10337..10393		

Seq. No.	48148	Seq. ID	OJ000115_40.0307.C13
Gene No.	102528	Strand	+
Start	440	End	701
Name	OJ000115_40.0307.C13.o1.gp	Method	AAT/GAP
Start	440	End	701
GI	57542_1.R1084	Score	288
Exons	440..595, 659..701		
GI Descrip.	'4263509/gb|AAD15335| 1.0e-58 (AC004044) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48149	Seq. ID	OJ000115_40.0307.C16
Gene No.	102529	Strand	-
Start	1	End	520
Name	OJ000115_40.0307.C16.o1.gp	Method	AAT/GAP
Start	1	End	520
GI	none	Score	840
Exons	1..188, 255..520		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102530	Strand	+
Start	8879	End	12359
Name	OJ000115_47.0316.C1.o4.gp	Method	AAT/GAP
Start	8777	End	9026
GI	uC-osroM202001f03b1	Score	455
Exons	8777..9026		
GI Descrip.	'3819221/emb|AJ234438.1|HVU234438 8.0e-09 Hordeum vulgare partial mRNA; clone cMWG0721'		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102530	Strand	+

Start	8879	End	12359
Name	OJ000115_47.0316.C1.o2.gs	Method	GENSCAN
Start	8879	End	11942
GI	none	Score	.79
Exons	8879..9094, 10324..10499, 11534..11603, 11681..11814, 11873..11942		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102530	Strand	+
Start	8879	End	12359
Name	OJ000115_47.0316.C1.o5.gp	Method	AAT/GAP
Start	11673	End	12359
GI	54260_1.R1084	Score	787
Exons	11673..11814, 11885..11943, 12051..12359		
GI Descrip.	'58067/emb|X52325|ARBLSKP 2.0e-13 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP'		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102531	Strand	+
Start	13988	End	15343
Name	OJ000115_47.0316.C1.o2.np	Method	AAT/NAP
Start	13988	End	15343
GI	6815059	Score	2337
Exons	13988..15343		
GI Descrip.	(AP001080) Similar to geranylgeranyl hydrogenase. (AF069318) [Oryza sativa]		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102532	Strand	+
Start	18842	End	19935
Name	OJ000115_47.0316.C1.o4.gs	Method	GENSCAN
Start	18842	End	19935
GI	none	Score	.45
Exons	18842..18912, 19338..19935		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102533	Strand	+
Start	49288	End	49705
Name	OJ000115_47.0316.C1.o7.np	Method	AAT/NAP
Start	49288	End	49702
GI	6815064	Score	624
Exons	49288..49350, 49403..49702		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102533	Strand	+
Start	49288	End	49705
Name	OJ000115_47.0316.C1.o8.gs	Method	GENSCAN
Start	49288	End	49705
GI	none	Score	.84
Exons	49288..49350, 49403..49705		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102534	Strand	+
Start	56603	End	58805
Name	OJ000115_47.0316.C1.o11.gs	Method	GENSCAN
Start	56603	End	58805

GI	none	Score	.81
Exons	56603..56752, 58486..58567, 58618..58805		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102535	Strand	+
Start	70900	End	79267
Name	OJ000115_47.0316.C1.o12.np	Method	AAT/NAP
Start	70900	End	79264
GI	6815069	Score	4616
Exons	70900..71058, 72217..72775, 72865..73018, 73717..73878, 74252..74342, 74499..74570, 74656..75167, 75631..75700, 76291..76356, 77043..77347, 77643..77783, 77918..77981, 78206..78351, 78446..78550, 79087..79264		
GI Descrip.	(AP001080) Similar to KIAA0731 protein (AB018274) [Oryza sativa]		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102535	Strand	+
Start	70900	End	79267
Name	OJ000115_47.0316.C1.o14.gs	Method	GENSCAN
Start	70900	End	79267
GI	none	Score	.74
Exons	70900..71058, 72217..72775, 72865..73018, 73717..73878, 74252..74342, 74499..74570, 74656..75167, 75631..75700, 76291..76356, 77043..77347, 77643..77783, 78446..78550, 79087..79267		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102536	Strand	+
Start	83931	End	84542
Name	OJ000115_47.0316.C1.o13.np	Method	AAT/NAP
Start	83931	End	84542
GI	6815070	Score	1091
Exons	83931..84542		
GI Descrip.	(AP001080) EST AU070319(S10788) corresponds to a region of the predicted gene.; Similar to RING-H2 finger protein RHA2b (AC006200) [Oryza sativa]		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102537	Strand	+
Start	84517	End	84907
Name	OJ000115_47.0316.C1.o12.gp	Method	AAT/GAP
Start	84517	End	84907
GI	5005157	Score	702
Exons	84517..84907		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102538	Strand	-
Start	500	End	3832
Name	OJ000115_47.0316.C1.o1.gp	Method	AAT/GAP
Start	383	End	797
GI	none	Score	759
Exons	383..797		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102538	Strand	-
Start	500	End	3832
Name	OJ000115_47.0316.C1.o1.gs	Method	GENSCAN

Start	500	End	2941
GI	none	Score	.68
Exons	500..576, 618..960, 1086..1145, 1219..1461, 1984..2082, 2584..2763, 2867..2941		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102538	Strand	-
Start	500	End	3832
Name	OJ000115_47.0316.C1.o1.np	Method	AAT/NAP
Start	604	End	2941
GI	6815057	Score	1545
Exons	604..960, 1219..1461, 1984..2082, 2584..2763, 2867..2941		
GI Descrip.	(AP001080) ESTs AU081555(E2011),C72657(E2011) correspond to a region of the predicted gene.; Similar to putative phosphoglyceride transfer protein. (AC002983) [Oryza sativa]		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102538	Strand	-
Start	500	End	3832
Name	OJ000115_47.0316.C1.o2.gp	Method	AAT/GAP
Start	1252	End	2063
GI	LIB3433-029-P1-K1-G10	Score	537
Exons	1252..1461, 1984..2063		
GI Descrip.	'4309969/gb|AAB81870|AAB81870 4.0e-26 (AC002983) putative phosphoglyceride transfer protein [Arabidopsis thaliana]'		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102538	Strand	-
Start	500	End	3832
Name	OJ000115_47.0316.C1.o3.gp	Method	AAT/GAP
Start	2572	End	3832
GI	2428194	Score	799
Exons	2572..2763, 2867..2980, 3677..3832		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102539	Strand	-
Start	15626	End	16377
Name	OJ000115_47.0316.C1.o6.gp	Method	AAT/GAP
Start	15626	End	16377
GI	none	Score	656
Exons	15626..15901, 16302..16377		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102540	Strand	-
Start	16299	End	19878
Name	OJ000115_47.0316.C1.o3.np	Method	AAT/NAP
Start	16299	End	18725
GI	6815060	Score	815
Exons	16299..16383, 16836..16954, 17754..17873, 18090..18160, 18578..18725		
GI Descrip.	(AP001080) EST C26994(C50622) corresponds to a region of the predicted gene.; Similar to ADP-ribosylation factor. (D17760) [Oryza sativa]		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102540	Strand	-
Start	16299	End	19878

Name	OJ000115_47.0316.C1.o7.gp	Method	AAT/GAP
Start	17683	End	19878
GI	18316_1.R1084	Score	692
Exons	17683..17873, 18090..18160, 18578..18746, 19782..19878		
GI Descrip.	'1351974/sp|P49076|ARF_MAIZE 3.0e-59 ADP-RIBOSYLATION FACTOR >gi_1076788_pir__S49325 ADP-ribosylation factor - maize >gi_1076789_pir__S53486 ADP-ribosylation factor - maize >gi_556686_emb_CAA56351_ (X80042) ADP-ribosylation factor [Zea mays]'		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102541	Strand	-
Start	20734	End	21464
Name	OJ000115_47.0316.C1.o8.gp	Method	AAT/GAP
Start	20734	End	21464
GI	5003484	Score	1406
Exons	20734..21464		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102542	Strand	-
Start	21389	End	24482
Name	OJ000115_47.0316.C1.o4.np	Method	AAT/NAP
Start	21389	End	24482
GI	6815061	Score	1641
Exons	21389..21485, 21609..21687, 21860..22029, 22116..22228, 22295..22363, 22474..22557, 22644..22700, 22799..22861, 23943..23999, 24129..24482		
GI Descrip.	(AP001080) ESTs AU068633(C30614),AU068634(C30614) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana unknown protein. (AF049236) [Oryza sativa]		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102543	Strand	-
Start	25211	End	48629
Name	OJ000115_47.0316.C1.o5.np	Method	AAT/NAP
Start	25211	End	30150
GI	6815062	Score	6433
Exons	25211..25464, 25763..26102, 26180..26278, 26360..26705, 26749..26954, 27047..27238, 27315..27712, 27807..28077, 28349..28421, 28640..30150		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102543	Strand	-
Start	25211	End	48629
Name	OJ000115_47.0316.C1.o7.gs	Method	GENSCAN
Start	25749	End	48629
GI	none	Score	.54
Exons	25749..26102, 26180..26278, 26360..26654, 26866..26954, 27047..27238, 27315..27712, 27807..28077, 28349..28421, 28640..30095, 30785..30895, 30974..31142, 37114..37195, 39951..40047, 40202..40314, 40373..40437, 48492..48629		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102543	Strand	-

Start	25211	End	48629
Name	OJ000115_47.0316.C1.o6.np	Method	AAT/NAP
Start	39820	End	40671
GI	6815063	Score	644
Exons	39820..39867, 40202..40437, 40560..40671		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102544	Strand	-
Start	51014	End	51346
Name	OJ000115_47.0316.C1.o9.gs	Method	GENSCAN
Start	51014	End	51346
GI	none	Score	.67
Exons	51014..51346		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102544	Strand	-
Start	51014	End	51346
Name	OJ000115_47.0316.C1.o8.np	Method	AAT/NAP
Start	51017	End	51346
GI	6815065	Score	592
Exons	51017..51346		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102545	Strand	-
Start	53989	End	56784
Name	OJ000115_47.0316.C1.o10.gs	Method	GENSCAN
Start	53989	End	55522
GI	none	Score	.89
Exons	53989..54318, 55427..55522		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102545	Strand	-
Start	53989	End	56784
Name	OJ000115_47.0316.C1.o9.np	Method	AAT/NAP
Start	54058	End	56694
GI	6815066	Score	757
Exons	54058..54247, 55485..55531, 55603..55696, 56498..56694		
GI Descrip.	(AP001080) EST C26866(C50282) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102545	Strand	-
Start	53989	End	56784
Name	OJ000115_47.0316.C1.o9.gp	Method	AAT/GAP
Start	55457	End	56784
GI	none	Score	814
Exons	55457..55531, 55603..55698, 56499..56784		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102546	Strand	-
Start	59770	End	62496
Name	OJ000115_47.0316.C1.o10.gp	Method	AAT/GAP
Start	59770	End	62496
GI	none	Score	1223
Exons	59770..60061, 60987..61300, 62466..62496		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102546	Strand	-
Start	59770	End	62496
Name	OJ000115_47.0316.C1.o12.gs	Method	GENSCAN
Start	60987	End	62459
GI	none	Score	.89
Exons	60987..62459		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102546	Strand	-
Start	59770	End	62496
Name	OJ000115_47.0316.C1.o10.np	Method	AAT/NAP
Start	60990	End	62459
GI	6815067	Score	2520
Exons	60990..62459		
GI Descrip.	(AP001080) ESTs AU082210(C53655),AU056546(S20671), AU056545(S20671) correspond to a region of the predicted gene.; Similar to putative RNA-binding protein (AC004261) [Oryza sativa]		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102547	Strand	-
Start	63609	End	68977
Name	OJ000115_47.0316.C1.o11.gp	Method	AAT/GAP
Start	63441	End	63597
GI	2798499	Score	212
Exons	63441..63597		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102547	Strand	-
Start	63609	End	68977
Name	OJ000115_47.0316.C1.o13.gs	Method	GENSCAN
Start	63609	End	68977
GI	none	Score	.52
Exons	63609..63712, 64745..64946, 65042..65191, 65273..65414, 66041..66120, 66621..66885, 67976..68074, 68609..68663, 68935..68977		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102547	Strand	-
Start	63609	End	68977
Name	OJ000115_47.0316.C1.o11.np	Method	AAT/NAP
Start	63612	End	67131
GI	6815068	Score	1467
Exons	63612..63712, 64745..64946, 65042..65191, 65273..65414, 66041..66120, 66749..66885, 66972..67131		
GI Descrip.	(AP001080) Similar to putative translin (AC006836) [Oryza sativa]		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o7.tm	Method	TBLASTX:Maize
Start	619	End	1381
GI	none	Score	101
Exons	619..711, 620..712, 758..967, 760..966, 806..976, 1216..1317,		

1216..1308, 1310..1381, 1312..1380

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o6.ts	Method	TBLASTX:Soybean
Start	1218	End	1440
GI	none	Score	148
Exons	1218..1433, 1222..1440, 1232..1438		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o6.tc	Method	TBLASTX:Cress
Start	1219	End	1465
GI	none	Score	76
Exons	1219..1329, 1241..1336, 1327..1464, 1355..1465		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o9.tm	Method	TBLASTX:Maize
Start	1382	End	2975
GI	none	Score	107
Exons	1382..1462, 1382..1462, 1384..1464, 1948..2082, 1952..2083, 1985..2083, 2582..2782, 2582..2764, 2584..2769, 2864..2974, 2868..2969, 2874..2975		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o10.tm	Method	TBLASTX:Maize
Start	8852	End	11934
GI	none	Score	64
Exons	8852..8896, 8854..8895, 8891..9094, 8986..9093, 10317..10505, 10317..10508, 10318..10506, 11116..11202, 11117..11203, 11118..11204, 11499..11603, 11513..11644, 11513..11611, 11672..11815, 11672..11824, 11679..11825, 11885..11929, 11886..11930, 11887..11934		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o8.ts	Method	TBLASTX:Soybean
Start	8873	End	11752
GI	none	Score	41
Exons	8873..8899, 8930..9079, 10315..10506, 10318..10500, 10323..10508, 11116..11202, 11117..11203, 11526..11603, 11531..11593, 11672..11752, 11675..11746		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o1.tc	Method	TBLASTX:Cress
Start	14156	End	15280
GI	none	Score	274
Exons	14156..14446, 14164..14325, 14525..14791, 14527..14616,		

14674..14790, 14849..15280, 15026..15250

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o1.tm	Method	TBLASTX:Maize
Start	14156	End	19525
GI	none	Score	275
Exons	14156..14455, 14170..14343, 14525..14629, 14527..14787, 14528..14998, 14840..14995, 15053..15280, 15098..15250, 19391..19525		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o1.ts	Method	TBLASTX:Soybean
Start	14156	End	15280
GI	none	Score	290
Exons	14156..14452, 14161..14349, 14524..14613, 14525..14791, 14674..14790, 14840..14968, 14849..15004, 15026..15280, 15026..15250		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o11.tm	Method	TBLASTX:Maize
Start	16302	End	18738
GI	none	Score	133
Exons	16302..16382, 16303..16383, 16833..16955, 16834..16965, 16835..16957, 17736..17876, 17754..17876, 17824..17880, 18084..18212, 18090..18161, 18091..18162, 18552..18737, 18553..18738		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o5.ts	Method	TBLASTX:Soybean
Start	16302	End	18765
GI	none	Score	89
Exons	16302..16382, 16303..16383, 16833..16955, 16833..16955, 16834..16956, 16835..16957, 17739..17876, 17753..17863, 17754..17876, 17824..17880, 18081..18161, 18084..18212, 18091..18162, 18552..18731, 18553..18765		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o4.tw	Method	TBLASTX:Wheat
Start	16302	End	17837
GI	none	Score	112
Exons	16302..16382, 16303..16383, 16313..16384, 16809..16955, 16821..16955, 16832..16957, 16835..16957, 17736..17837, 17753..17836, 17754..17837		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727

Name	OJ000115_47.0316.C1.o7.tc	Method	TBLASTX:Cress
Start	16862	End	18212
GI	none	Score	124
Exons	16862..16957, 16863..16955, 16865..16957, 17736..17876, 17749..17874, 17754..17876, 17824..17880, 18084..18212, 18091..18162		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o2.tw	Method	TBLASTX:Wheat
Start	17839	End	18728
GI	none	Score	64
Exons	17839..17880, 17841..17876, 18080..18160, 18084..18212, 18090..18161, 18091..18162, 18552..18728, 18553..18726, 18582..18728		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o5.tc	Method	TBLASTX:Cress
Start	18560	End	18773
GI	none	Score	165
Exons	18560..18643, 18573..18770, 18577..18726, 18588..18773		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o2.tm	Method	TBLASTX:Maize
Start	21380	End	24276
GI	none	Score	67
Exons	21380..21487, 21381..21488, 21437..21490, 21609..21698, 21611..21688, 21840..21944, 21858..22028, 21859..22029, 21860..22027, 21978..22061, 22109..22282, 22115..22240, 22240..22272, 22283..22363, 22284..22364, 22466..22558, 22466..22558, 22617..22703, 22638..22709, 22787..22867, 22799..22864, 23938..24000, 23943..23999, 24129..24152, 24129..24275, 24130..24276		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o4.tc	Method	TBLASTX:Cress
Start	21918	End	22707
GI	none	Score	84
Exons	21918..22025, 22115..22132, 22178..22228, 22292..22363, 22465..22560, 22469..22558, 22644..22700, 22663..22707		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o9.ts	Method	TBLASTX:Soybean
Start	21921	End	22231
GI	none	Score	66
Exons	21921..22028, 21922..22026, 22113..22229, 22115..22228, 22118..22231		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o4.tm	Method	TBLASTX:Maize
Start	26360	End	27483
GI	none	Score	67
Exons	26360..26656, 26748..26774, 26781..26948, 26781..26948, 27029..27106, 27116..27157, 27179..27250, 27312..27482, 27319..27483		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o12.tm	Method	TBLASTX:Maize
Start	27486	End	27969
GI	none	Score	57
Exons	27486..27581, 27490..27585, 27591..27620, 27615..27722, 27637..27723, 27784..27969, 27791..27967		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o6.tm	Method	TBLASTX:Maize
Start	29566	End	30109
GI	none	Score	39
Exons	29566..29931, 29586..29609, 29642..29932, 29950..30105, 29984..30109		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o7.ts	Method	TBLASTX:Soybean
Start	54052	End	55690
GI	none	Score	157
Exons	54052..54318, 54053..54319, 55431..55535, 55436..55534, 55570..55689, 55571..55690		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o13.tm	Method	TBLASTX:Maize
Start	59867	End	60115
GI	none	Score	129
Exons	59867..59887, 59882..60028, 59887..60030, 59908..60030, 59927..60043, 60017..60064, 60032..60115, 60033..60107		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o2.ts	Method	TBLASTX:Soybean
Start	61208	End	62129
GI	none	Score	42
Exons	61208..61366, 61410..61676, 61411..61680, 61416..61661, 61427..61681, 61477..61674, 61749..62129, 61750..62022, 61755..61994		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1

Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o5.tm	Method	TBLASTX:Maize
Start	61264	End	61994
GI	none	Score	35
Exons	61264..61326, 61337..61651, 61390..61659, 61410..61676, 61411..61680, 61743..61805, 61744..61806, 61749..61994		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o2.tc	Method	TBLASTX:Cress
Start	61410	End	62022
GI	none	Score	300
Exons	61410..61673, 61411..61674, 61422..61673, 61749..61994, 61750..61923, 61752..62021, 61753..62022		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o3.tw	Method	TBLASTX:Wheat
Start	63604	End	64889
GI	none	Score	105
Exons	63604..63711, 63605..63712, 63606..63713, 63607..63735, 64704..64889, 64743..64889		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o10.ts	Method	TBLASTX:Soybean
Start	64745	End	64946
GI	none	Score	65
Exons	64745..64849, 64746..64847, 64840..64902, 64842..64901, 64899..64946		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o3.tm	Method	TBLASTX:Maize
Start	64814	End	66794
GI	none	Score	175
Exons	64814..64945, 64815..64946, 64816..64947, 65039..65197, 65041..65190, 65256..65417, 65270..65416, 66040..66120, 66042..66122, 66043..66132, 66749..66793, 66750..66794, 66750..66794		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o4.ts	Method	TBLASTX:Soybean
Start	65052	End	66120
GI	none	Score	83
Exons	65052..65189, 65054..65191, 65256..65417, 65270..65416, 66040..66120, 66047..66118		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-

Start	79736	End	85727
Name	OJ000115_47.0316.C1.o1.tw	Method	TBLASTX:Wheat
Start	72522	End	73023
GI	none	Score	110
Exons	72522..72593, 72523..72594, 72523..72594, 72591..72776, 72591..72776, 72592..72777, 72858..72950, 72859..72948, 72918..72977, 72943..73023, 72975..73013		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o8.tm	Method	TBLASTX:Maize
Start	74875	End	78543
GI	none	Score	52
Exons	74875..74943, 74878..74937, 74951..74992, 75021..75086, 75074..75154, 75095..75148, 76297..76356, 77032..77247, 77054..77254, 77054..77251, 77055..77255, 77250..77345, 77260..77346, 77270..77350, 77276..77341, 77642..77785, 77661..77786, 77667..77786, 77902..77979, 77915..77980, 77916..77981, 78185..78358, 78208..78357, 78441..78542, 78449..78541, 78450..78542, 78450..78542, 78451..78543		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o3.tc	Method	TBLASTX:Cress
Start	77277	End	79198
GI	none	Score	69
Exons	77277..77336, 77691..77786, 77692..77784, 77916..77981, 78185..78373, 78199..78366, 78209..78355, 78441..78557, 78441..78551, 79097..79198, 79120..79191		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o3.ts	Method	TBLASTX:Soybean
Start	77670	End	79198
GI	none	Score	80
Exons	77670..77765, 77670..77786, 77671..77784, 77916..77981, 78188..78355, 78199..78369, 78203..78358, 78429..78557, 78441..78557, 79121..79198		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o14.tm	Method	TBLASTX:Maize
Start	79088	End	79536
GI	none	Score	156
Exons	79088..79228, 79096..79191, 79218..79346, 79288..79332, 79336..79395, 79369..79434, 79370..79429, 79465..79536, 79470..79535		

Seq. No.	48150	Seq. ID	OJ000115_47.0316.C1
Gene No.	102548	Strand	-
Start	79736	End	85727
Name	OJ000115_47.0316.C1.o15.gs	Method	GENSCAN
Start	79736	End	85727

GI	none	Score	.43
Exons	79736..79899, 84071..84579, 85116..85197, 85608..85727		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102549	Strand	+
Start	3741	End	16681
Name	OJ000115_47.0316.C2.o1.gp	Method	AAT/GAP
Start	3686	End	3864
GI	15870_2.R1084	Score	256
Exons	3686..3864		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102549	Strand	+
Start	3741	End	16681
Name	OJ000115_47.0316.C2.o2.gs	Method	GENSCAN
Start	3741	End	16681
GI	none	Score	.52
Exons	3741..3779, 4829..5003, 6042..6170, 6375..6455, 6556..6705, 6781..6834, 7154..7266, 7364..7706, 7815..8522, 8627..8913, 9214..10566, 10584..11261, 13403..13496, 15846..15997, 16169..16226, 16590..16681		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102549	Strand	+
Start	3741	End	16681
Name	OJ000115_47.0316.C2.o2.np	Method	AAT/NAP
Start	6576	End	11504
GI	6815072	Score	6487
Exons	6576..6705, 6781..6834, 7154..7266, 7364..7706, 7815..8522, 8627..8913, 9313..11504		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102550	Strand	+
Start	19085	End	19194
Name	OJ000115_47.0316.C2.o2.gp	Method	AAT/GAP
Start	19085	End	19194
GI	207_3.R1084	Score	117
Exons	19085..19194		
GI Descrip.	'1617206/emb|CAA96570| 3.0e-29 (Z72489) CP12 [Pisum sativum]'		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102551	Strand	+
Start	21270	End	24245
Name	OJ000115_47.0316.C2.o4.np	Method	AAT/NAP
Start	21270	End	24079
GI	6630682	Score	1107
Exons	21270..21319, 21637..21863, 23685..24079		
GI Descrip.	(AP000969) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815074|dbj|BAA90361.1| (AP001080) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102551	Strand	+
Start	21270	End	24245
Name	OJ000115_47.0316.C2.o3.gp	Method	AAT/GAP
Start	23690	End	24245
GI	none	Score	975
Exons	23690..24245		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102552	Strand	-
Start	967	End	2137
Name	OJ000115_47.0316.C2.o1.np	Method	AAT/NAP
Start	682	End	1532
GI	6815071	Score	269
Exons	682..819, 1503..1532		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102552	Strand	-
Start	967	End	2137
Name	OJ000115_47.0316.C2.o1.gs	Method	GENSCAN
Start	967	End	2137
GI	none	Score	.57
Exons	967..1022, 1503..1604, 2095..2137		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102553	Strand	-
Start	17441	End	18680
Name	OJ000115_47.0316.C2.o3.gs	Method	GENSCAN
Start	17441	End	18680
GI	none	Score	.72
Exons	17441..17715, 18061..18112, 18188..18533, 18661..18680		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102553	Strand	-
Start	17441	End	18680
Name	OJ000115_47.0316.C2.o3.np	Method	AAT/NAP
Start	17444	End	18533
GI	6630681	Score	1104
Exons	17444..17715, 18061..18112, 18188..18533		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6815073|dbj|BAA90360.1| (AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o1.tm	Method	TBLASTX:Maize
Start	7448	End	7963
GI	none	Score	69
Exons	7448..7501, 7517..7585, 7616..7963, 7906..7962		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o3.tm	Method	TBLASTX:Maize
Start	8194	End	8688

GI	none	Score	133
Exons	8194..8274, 8243..8398, 8272..8361, 8408..8521, 8626..8688		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o4.tm	Method	TBLASTX:Maize
Start	10333	End	10700
GI	none	Score	152
Exons	10333..10524, 10350..10520, 10536..10700		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o6.tm	Method	TBLASTX:Maize
Start	11004	End	11303
GI	none	Score	112
Exons	11004..11108, 11103..11204, 11214..11303		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o2.ts	Method	TBLASTX:Soybean
Start	11229	End	11411
GI	none	Score	214
Exons	11229..11411, 11231..11410		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o5.gs	Method	GENSCAN
Start	23681	End	26038
GI	none	Score	.6
Exons	23681..24100, 24371..24504, 24781..24864, 25194..25269, 25660..25821, 25949..26038		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o4.gp	Method	AAT/GAP
Start	24406	End	24794
GI	none	Score	725
Exons	24406..24794		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o2.tm	Method	TBLASTX:Maize
Start	24551	End	26645
GI	none	Score	119
Exons	24551..24667, 24552..24668, 24558..24668, 24770..24865, 24776..24865, 24781..24867, 24781..24867, 25658..25822, 25658..25819, 25660..25821, 26409..26567, 26409..26567, 26598..26645, 26605..26643		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-

Start	23681	End	29326
Name	OJ000115_47.0316.C2.o5.np	Method	AAT/NAP
Start	24560	End	27172
GI	6630683	Score	1442
Exons	24560..24664, 24781..24864, 25660..25821, 26412..26732, 26820..27044, 27143..27172		
GI Descrip.	(AP000969) EST C25991(C11435) corresponds to a region of the predicted gene.; Similar to similar to PHZF, catalyzing the hydroxylation of phenazine-1-carboxylic acid to 2-hydroxy-phenazine-1-carboxylic acid. (AC004044) [Oryza... gi|6815075|dbj|BAA90362.1| (AP001080) EST C25991(C11435) corresponds to a region of the predicted gene.; Similar to similar to PHZF, catalyzing		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o1.ts	Method	TBLASTX:Soybean
Start	24776	End	27050
GI	none	Score	70
Exons	24776..24865, 24781..24867, 24803..24865, 25658..25828, 25660..25821, 26406..26543, 26598..26645, 26673..26735, 26817..26855, 26895..26954, 26985..27050		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o6.gs	Method	GENSCAN
Start	26388	End	28323
GI	none	Score	.83
Exons	26388..27044, 27074..27220, 28239..28323		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o1.tw	Method	TBLASTX:Wheat
Start	26407	End	26735
GI	none	Score	97
Exons	26407..26502, 26409..26501, 26500..26565, 26504..26560, 26598..26642, 26605..26646, 26665..26724, 26673..26735		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o1.tc	Method	TBLASTX:Cress
Start	26607	End	27044
GI	none	Score	82
Exons	26607..26642, 26673..26735, 26817..26855, 26901..26951, 26985..27044		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o5.tm	Method	TBLASTX:Maize
Start	26686	End	27173
GI	none	Score	75
Exons	26686..26772, 26686..26721, 26688..26735, 26787..26852,		

26788..26838, 26895..26954, 26905..26952, 26943..26981,
26945..26980, 26985..27044, 27007..27087, 27147..27173

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o5.gp	Method	AAT/GAP
Start	26872	End	27239
GI	2309836	Score	463
Exons	26872..27044, 27143..27239		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o6.gp	Method	AAT/GAP
Start	28061	End	29326
GI	none	Score	567
Exons	28061..28323, 29253..29326		

Seq. No.	48151	Seq. ID	OJ000115_47.0316.C2
Gene No.	102554	Strand	-
Start	23681	End	29326
Name	OJ000115_47.0316.C2.o6.np	Method	AAT/NAP
Start	28221	End	29326
GI	6630684	Score	233
Exons	28221..28323, 29253..29326		
GI Descrip.	(AP000969) ESTs AU070430(S15424), AU082086(E11580) correspond to a region of the predicted gene.; Similar to MF1. (AB011804) [Oryza sativa] gi|6815076|dbj|BAA90363.1| (AP001080) ESTs AU070430(S15424),AU082086(E11580) correspond to a region of the predicted gene.; Similar to MF1. (AB011804) [Oryza sativa]		

Seq. No.	48152	Seq. ID	OJ000115_41.0331.C1
Gene No.	102555	Strand	+
Start	414	End	1102
Name	OJ000115_41.0331.C1.o1.gs	Method	GENSCAN
Start	414	End	1102
GI	none	Score	.69
Exons	414..556, 940..1102		

Seq. No.	48152	Seq. ID	OJ000115_41.0331.C1
Gene No.	102556	Strand	+
Start	2332	End	7136
Name	OJ000115_41.0331.C1.o2.gs	Method	GENSCAN
Start	2332	End	5239
GI	none	Score	.45
Exons	2332..2767, 3477..3546, 3676..3787, 4676..4771, 5173..5199, 5228..5239		

Seq. No.	48152	Seq. ID	OJ000115_41.0331.C1
Gene No.	102556	Strand	+
Start	2332	End	7136
Name	OJ000115_41.0331.C1.o1.np	Method	AAT/NAP
Start	2789	End	7136
GI	6671704	Score	157
Exons	2789..2840, 4674..4842, 4951..5211, 5332..5418, 7118..7136		
GI Descrip.	chaperonin subunit 7 (eta) gi|549060|sp|P80313|TCPH_MOUSE		

T-COMPLEX PROTEIN 1, ETA SUBUNIT (TCP-1-ETA) (CCT-ETA)
gi|631656|pir||S43058 CCTeta protein eta chain - mouse
gi|468504|emb|CAA83274.1| (Z31399) CCTeta, eta subunit of the chaperonin containing TCP-1 (CCT) [Mus musculus]
gi|5295935|dbj|BAA81878.1| (AB022160) chaperonin containing TCP-1 eta subunit [Mus musculus

Seq. No.	48152	Seq. ID	OJ000115_41.0331.C1
Gene No.	102557	Strand	+
Start	8237	End	14803
Name	OJ000115_41.0331.C1.o2.np	Method	AAT/NAP
Start	7967	End	14803
GI	7228438	Score	3290
Exons	7967..9949, 11509..11604, 11690..12103, 12184..12482, 12587..12848, 12941..13091, 14378..14803		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	48152	Seq. ID	OJ000115_41.0331.C1
Gene No.	102557	Strand	+
Start	8237	End	14803
Name	OJ000115_41.0331.C1.o3.gs	Method	GENSCAN
Start	8237	End	14652
GI	none	Score	54
Exons	8237..8593, 8786..10603, 11089..11162, 11238..11604, 11690..11912, 11985..12061, 12184..12482, 12587..12733, 12758..12848, 12941..13048, 13095..13196, 13465..13782, 14479..14652		

Seq. No.	48152	Seq. ID	OJ000115_41.0331.C1
Gene No.	102557	Strand	+
Start	8237	End	14803
Name	OJ000115_41.0331.C1.o1.tm	Method	TBLASTX:Maize
Start	8915	End	9511
GI	none	Score	351
Exons	8915..9382, 8920..9393, 9440..9511		

Seq. No.	48152	Seq. ID	OJ000115_41.0331.C1
Gene No.	102557	Strand	+
Start	8237	End	14803
Name	OJ000115_41.0331.C1.o1.tw	Method	TBLASTX:Wheat
Start	9211	End	9586
GI	none	Score	185
Exons	9211..9357, 9212..9388, 9412..9480, 9413..9586, 9435..9575		

Seq. No.	48152	Seq. ID	OJ000115_41.0331.C1
Gene No.	102557	Strand	+
Start	8237	End	14803
Name	OJ000115_41.0331.C1.o1.gp	Method	AAT/GAP
Start	11277	End	13519
GI	LIB3433-020-P1-K1-A6	Score	678
Exons	11277..11319, 13141..13519		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	48152	Seq. ID	OJ000115_41.0331.C1

Gene No.	102557	Strand	+
Start	8237	End	14803
Name	OJ000115_41.0331.C1.o2.tw	Method	TBLASTX:Wheat
Start	11329	End	11511
GI	none	Score	89
Exons	11329..11382, 11331..11393, 11391..11510, 11392..11511		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102558	Strand	+
Start	469	End	6043
Name	OJ000115_41.0331.C2.o1.gs	Method	GENSCAN
Start	469	End	5740
GI	none	Score	.8
Exons	469..623, 736..845, 2056..2111, 2211..2494, 3871..4208, 4297..4603, 4689..4962, 5486..5740		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102558	Strand	+
Start	469	End	6043
Name	OJ000115_41.0331.C2.o1.np	Method	AAT/NAP
Start	624	End	5728
GI	3183285	Score	673
Exons	624..663, 2195..2486, 3974..4142, 4294..4603, 4689..4927, 5485..5728		
GI Descrip.	HYPOTHETICAL 54.4 KD PROTEIN IN AROH-NLPC INTERGENIC REGION gi|7449499|pir||B64929 hypothetical protein b1706 - Escherichia coli gi|1742787|dbj|BAA15475.1| (D90813) ORF_ID:o322#7; similar to [SwissProt Accession Number Q06373] [Escherichia coli] gi|1787999|gb|AAC74776.1| (AE000266) orf, hypothetical protein [Escherichia coli]		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102558	Strand	+
Start	469	End	6043
Name	OJ000115_41.0331.C2.o1.gp	Method	AAT/GAP
Start	4899	End	6043
GI	60128_1.R1084	Score	1177
Exons	4899..4962, 5486..6043		
GI Descrip.	'3183285/sp|P77649|YDIU_ECOLI 1.0e-11 HYPOTHETICAL 54.4 KD PROTEIN IN AROH-NLPC INTERGENIC REGION >gi_1742787_dbj_BAA15475_ (D90813) ORF_ID:o322#7; similar to [SwissProt Accession Number Q06373] [Escherichia coli] >gi_1787999 (AE000266) orf, hypothetical protein [Escherichia coli]'		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102559	Strand	+
Start	15746	End	18018
Name	OJ000115_41.0331.C2.o5.gs	Method	GENSCAN
Start	15746	End	18018
GI	none	Score	.78
Exons	15746..16142, 16507..16534, 17844..18018		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102560	Strand	+
Start	20099	End	24952
Name	OJ000115_41.0331.C2.o3.gp	Method	AAT/GAP
Start	20099	End	22577

GI	uC-osrocyp027b03b1	Score	830
Exons	20099..20275, 20369..20438, 22054..22112, 22206..22281, 22503..22577		
GI Descrip.	'114974/sp|P26204|BGLS_TRIRP 3.0e-46 NON-CYANOGENIC BETA-GLUCOSIDASE PRECURSOR >gi_67491_pir__GLJY31 beta-glucosidase (EC 3.2.1.21) precursor (clone TRE361) - white clover >gi_21955_emb_CAA40058.1_ (X56734) beta-glucosidase [Trifolium repens]'		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102560	Strand	+
Start	20099	End	24952
Name	OJ000115_41.0331.C2.o3.np	Method	AAT/NAP
Start	20105	End	24952
GI	6979913	Score	1261
Exons	20105..20275, 20369..20438, 22054..22112, 22206..22281, 22503..22580, 22675..22762, 22991..23246, 23524..23639, 23748..23965, 24056..24087, 24289..24391, 24464..24572, 24711..24952		
GI Descrip.	(AF221526) prunasin hydrolase isoform PHA precursor [Prunus serotina]		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102560	Strand	+
Start	20099	End	24952
Name	OJ000115_41.0331.C2.o7.gs	Method	GENSCAN
Start	22221	End	24879
GI	none	Score	.81
Exons	22221..22281, 22503..22580, 23480..23639, 23748..23965, 24056..24087, 24289..24391, 24464..24572, 24711..24879		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102561	Strand	+
Start	25574	End	25861
Name	OJ000115_41.0331.C2.o5.gp	Method	AAT/GAP
Start	25574	End	25861
GI	none	Score	527
Exons	25574..25861		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102562	Strand	-
Start	7096	End	10327
Name	OJ000115_41.0331.C2.o2.gs	Method	GENSCAN
Start	7096	End	10327
GI	none	Score	.87
Exons	7096..7565, 7771..7833, 9049..9171, 9326..9614, 9699..9896, 9902..10327		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102562	Strand	-
Start	7096	End	10327
Name	OJ000115_41.0331.C2.o2.gp	Method	AAT/GAP
Start	8681	End	10206
GI	902_1.R1084	Score	2296
Exons	8681..9215, 9326..9614, 9699..9801, 9902..10206		
GI Descrip.	'3789954 1.0e-142 (AF094776) chlorophyll a/b-binding protein precursor [Oryza sativa]'		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102562	Strand	-
Start	7096	End	10327
Name	OJ000115_41.0331.C2.o2.np	Method	AAT/NAP
Start	9067	End	10083
GI	3789954	Score	1209
Exons	9067..9215, 9326..9614, 9699..9801, 9902..10083		
GI Descrip.	(AF094776) chlorophyll a/b-binding protein precursor [Oryza sativa]		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102563	Strand	-
Start	11259	End	12534
Name	OJ000115_41.0331.C2.o3.gs	Method	GENSCAN
Start	11259	End	12534
GI	none	Score	.89
Exons	11259..11860, 12456..12534		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102564	Strand	-
Start	14809	End	15220
Name	OJ000115_41.0331.C2.o4.gs	Method	GENSCAN
Start	14809	End	15220
GI	none	Score	.58
Exons	14809..15093, 15203..15220		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102565	Strand	-
Start	19920	End	20409
Name	OJ000115_41.0331.C2.o6.gs	Method	GENSCAN
Start	19920	End	20409
GI	none	Score	.8
Exons	19920..20051, 20068..20409		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o2.tw	Method	TBLASTX:Wheat
Start	733	End	2429
GI	none	Score	184
Exons	733..846, 736..846, 2040..2114, 2055..2114, 2057..2122, 2192..2428, 2193..2429		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o3.ts	Method	TBLASTX:Soybean
Start	733	End	4391
GI	none	Score	154
Exons	733..846, 744..848, 2056..2109, 2057..2122, 2198..2494, 2199..2495, 2199..2495, 2200..2496, 3950..4207, 3961..4098, 4123..4206, 4295..4360, 4296..4358, 4350..4391		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333

Name	OJ000115_41.0331.C2.o2.tc	Method	TBLASTX:Cress
Start	2056	End	4526
GI	none	Score	73
Exons	2056..2109, 2057..2122, 2200..2493, 2201..2494, 2202..2495, 3930..4118, 3950..4141, 3961..4140, 4145..4207, 4147..4206, 4295..4519, 4296..4526		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o3.tm	Method	TBLASTX:Maize
Start	2062	End	2495
GI	none	Score	74
Exons	2062..2109, 2066..2122, 2192..2494, 2192..2494, 2193..2495, 2208..2495		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o4.tm	Method	TBLASTX:Maize
Start	3958	End	4358
GI	none	Score	390
Exons	3958..4206, 3959..4207, 3960..4208, 4293..4355, 4295..4357, 4296..4358		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o2.tm	Method	TBLASTX:Maize
Start	4425	End	5863
GI	none	Score	310
Exons	4425..4604, 4425..4604, 4427..4645, 4677..4961, 4678..4962, 4687..4965, 5472..5606, 5474..5740, 5483..5731, 5485..5739, 5488..5760, 5643..5747, 5830..5859, 5840..5863		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o2.ts	Method	TBLASTX:Soybean
Start	4478	End	5774
GI	none	Score	176
Exons	4478..4543, 4479..4604, 4487..4606, 4677..4955, 4687..4965, 4702..4962, 5492..5749, 5494..5739, 5496..5750, 5541..5774		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o3.tc	Method	TBLASTX:Cress
Start	4527	End	5740
GI	none	Score	75
Exons	4527..4604, 4527..4604, 4529..4606, 4693..4851, 4713..4847, 4714..4968, 4905..4964, 5494..5736, 5495..5740		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o1.tm	Method	TBLASTX:Maize

Start	9053	End	10077
GI	none	Score	248
Exons	9053..9205, 9054..9206, 9061..9216, 9062..9217, 9313..9354, 9324..9623, 9325..9633, 9663..9791, 9664..9789, 9684..9800, 9700..9801, 9770..9808, 9898..9942, 9900..9941, 9901..10002, 9902..10009, 10003..10077, 10019..10075		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o1.ts	Method	TBLASTX:Soybean
Start	9064	End	9981
GI	none	Score	166
Exons	9064..9216, 9065..9217, 9324..9623, 9325..9627, 9684..9809, 9700..9801, 9901..9981, 9902..9979		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o3.tw	Method	TBLASTX:Wheat
Start	9070	End	9362
GI	none	Score	199
Exons	9070..9216, 9071..9217, 9324..9362, 9325..9360		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o1.tc	Method	TBLASTX:Cress
Start	9082	End	9976
GI	none	Score	159
Exons	9082..9216, 9083..9217, 9083..9217, 9136..9261, 9324..9623, 9325..9627, 9684..9809, 9700..9801, 9860..9976, 9901..9975		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o1.tw	Method	TBLASTX:Wheat
Start	9525	End	10077
GI	none	Score	141
Exons	9525..9623, 9526..9633, 9663..9809, 9684..9800, 9901..10020, 9902..10003, 10006..10077, 10019..10075		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o4.ts	Method	TBLASTX:Soybean
Start	20216	End	24870
GI	none	Score	63
Exons	20216..20275, 20366..20440, 20371..20439, 22056..22112, 22065..22115, 22194..22280, 22208..22279, 22493..22582, 22505..22582, 22670..22768, 22674..22763, 22986..23246, 22994..23221, 23554..23640, 23560..23646, 23748..23894, 23748..23894, 23749..23952, 24277..24393, 24277..24393, 24294..24395, 24706..24870, 24708..24869		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-

Start	24982	End	25333
Name	OJ000115_41.0331.C2.o7.tm	Method	TBLASTX:Maize
Start	20216	End	23246
GI	none	Score	66
Exons	20216..20278, 20366..20431, 22194..22280, 22517..22582, 22674..22763, 22982..23128, 22983..23129, 22986..23117, 23172..23246		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o4.tc	Method	TBLASTX:Cress
Start	23172	End	23958
GI	none	Score	105
Exons	23172..23246, 23553..23642, 23554..23640, 23740..23958, 23740..23883, 23748..23894		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o8.tm	Method	TBLASTX:Maize
Start	23563	End	24393
GI	none	Score	75
Exons	23563..23640, 23734..23898, 23749..23946, 24057..24113, 24289..24393		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o5.tc	Method	TBLASTX:Cress
Start	24289	End	24870
GI	none	Score	134
Exons	24289..24393, 24688..24870, 24714..24857		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o6.tm	Method	TBLASTX:Maize
Start	24706	End	24893
GI	none	Score	224
Exons	24706..24882, 24708..24890, 24729..24893		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102566	Strand	-
Start	24982	End	25333
Name	OJ000115_41.0331.C2.o4.gp	Method	AAT/GAP
Start	24982	End	25333
GI	none	Score	589
Exons	24982..25333		

Seq. No.	48153	Seq. ID	OJ000115_41.0331.C2
Gene No.	102567	Strand	
Start	25697	End	25863
Name	OJ000115_41.0331.C2.o5.tm	Method	TBLASTX:Maize
Start	25697	End	25863
GI	none	Score	109
Exons	25697..25843, 25709..25861, 25713..25862, 25714..25863		

Seq. No.	48154	Seq. ID	OJ000115_41.0331.C4
Gene No.	102568	Strand	+
Start	1503	End	1719
Name	OJ000115_41.0331.C4.o1.gs	Method	GENSCAN
Start	1503	End	1719
GI	none	Score	.74
Exons	1503..1719		

Seq. No.	48154	Seq. ID	OJ000115_41.0331.C4
Gene No.	102569	Strand	+
Start	3916	End	5543
Name	OJ000115_41.0331.C4.o2.gs	Method	GENSCAN
Start	3916	End	5027
GI	none	Score	.76
Exons	3916..4036, 4111..4469, 4596..5027		

Seq. No.	48154	Seq. ID	OJ000115_41.0331.C4
Gene No.	102569	Strand	+
Start	3916	End	5543
Name	OJ000115_41.0331.C4.o1.np	Method	AAT/NAP
Start	3971	End	5543
GI	4416301	Score	522
Exons	3971..4795, 4829..5543		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	48154	Seq. ID	OJ000115_41.0331.C4
Gene No.	102569	Strand	+
Start	3916	End	5543
Name	OJ000115_41.0331.C4.o1.tm	Method	TBLASTX:Maize
Start	4173	End	4574
GI	none	Score	215
Exons	4173..4574		

Seq. No.	48155	Seq. ID	OJ000115_41.0331.C6
Gene No.	102570	Strand	-
Start	1226	End	1311
Name	OJ000115_41.0331.C6.o1.gs	Method	GENSCAN
Start	1226	End	1311
GI	none	Score	.95
Exons	1226..1311		

Seq. No.	48156	Seq. ID	OJ000115_41.0331.C7
Gene No.	102571	Strand	+
Start	947	End	2649
Name	OJ000115_41.0331.C7.o1.gs	Method	GENSCAN
Start	947	End	2649
GI	none	Score	.43
Exons	947..977, 2463..2649		

Seq. No.	48156	Seq. ID	OJ000115_41.0331.C7
Gene No.	102572	Strand	
Start	2811	End	2979
Name	OJ000115_41.0331.C7.o1.tm	Method	TBLASTX:Maize
Start	2811	End	2979
GI	none	Score	274
Exons	2811..2978, 2812..2979		

Seq. No.	48157	Seq. ID	OJ000115_41.0331.C8
Gene No.	102573	Strand	+
Start	108	End	1689
Name	OJ000115_41.0331.C8.o1.gs	Method	GENSCAN
Start	108	End	1689
GI	none	Score	.91
Exons	108..330, 383..429, 897..959,	1578..1689	

Seq. No.	48157	Seq. ID	OJ000115_41.0331.C8
Gene No.	102574	Strand	-
Start	1360	End	1722
Name	OJ000115_41.0331.C8.o1.np	Method	AAT/NAP
Start	1360	End	1722
GI	266982	Score	607
Exons	1360..1722		
GI Descrip.	MITOCHONDRIAL RIBOSOMAL PROTEIN S7 gi|14348|emb|CAA47667| (X67242) ribosomal protein S7 [Triticum aestivum] gi|445068|prf||1908383A ribosomal protein S7 [Triticum aestivum]		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102575	Strand	+
Start	1	End	1554
Name	OJ000115_41.0331.C9.o1.np	Method	AAT/NAP
Start	1	End	1554
GI	7444451	Score	1886
Exons	1..1554		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102575	Strand	+
Start	1	End	1554
Name	OJ000115_41.0331.C9.o1.gs	Method	GENSCAN
Start	99	End	1385
GI	none	Score	.76
Exons	99..959, 1008..1385		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102576	Strand	+
Start	3758	End	4138
Name	OJ000115_41.0331.C9.o1.gp	Method	AAT/GAP
Start	3758	End	4138
GI	none	Score	714
Exons	3758..4138		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102577	Strand	-
Start	2040	End	2819
Name	OJ000115_41.0331.C9.o2.np	Method	AAT/NAP
Start	2040	End	2819
GI	4432866	Score	248
Exons	2040..2819		
GI Descrip.	(AC006300) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102578	Strand	-
Start	4564	End	4782
Name	OJ000115_41.0331.C9.o2.ts	Method	TBLASTX:Soybean
Start	24	End	512
GI	5509260	Score	417
Exons	24..512, 161..301, 407..496		
GI Descrip.	-		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102578	Strand	-
Start	4564	End	4782
Name	OJ000115_41.0331.C9.o4.tm	Method	TBLASTX:Maize
Start	54	End	320
GI	none	Score	226
Exons	54..320, 71..319		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102578	Strand	-
Start	4564	End	4782
Name	OJ000115_41.0331.C9.o1.tc	Method	TBLASTX:Cress
Start	150	End	410
GI	none	Score	276
Exons	150..410, 155..367, 156..404, 361..405		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102578	Strand	-
Start	4564	End	4782
Name	OJ000115_41.0331.C9.o2.tw	Method	TBLASTX:Wheat
Start	192	End	701
GI	none	Score	292
Exons	192..536, 209..355, 522..701		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102578	Strand	-
Start	4564	End	4782
Name	OJ000115_41.0331.C9.o1.tm	Method	TBLASTX:Maize
Start	324	End	770
GI	none	Score	387
Exons	324..770		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102578	Strand	-
Start	4564	End	4782
Name	OJ000115_41.0331.C9.o1.tw	Method	TBLASTX:Wheat
Start	705	End	1142
GI	none	Score	446
Exons	705..1142, 710..991, 885..1067, 1055..1141		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102578	Strand	-
Start	4564	End	4782
Name	OJ000115_41.0331.C9.o3.tm	Method	TBLASTX:Maize
Start	819	End	1070
GI	none	Score	279
Exons	819..1070, 824..1060, 885..1061		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102578	Strand	-
Start	4564	End	4782
Name	OJ000115_41.0331.C9.o1.ts	Method	TBLASTX:Soybean
Start	906	End	1430
GI	none	Score	437
Exons	906..1430, 908..1057, 1100..1264, 1364..1423		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102578	Strand	-
Start	4564	End	4782
Name	OJ000115_41.0331.C9.o2.tm	Method	TBLASTX:Maize
Start	1073	End	1454
GI	none	Score	136
Exons	1073..1210, 1074..1211, 1212..1454, 1230..1430		

Seq. No.	48158	Seq. ID	OJ000115_41.0331.C9
Gene No.	102578	Strand	-
Start	4564	End	4782
Name	OJ000115_41.0331.C9.o3.np	Method	AAT/NAP
Start	4564	End	4782
GI	7489615	Score	404
Exons	4564..4782		
GI Descrip.	hypothetical protein 73 - rice mitochondrion gi|769716|dbj|BAA06820.1| (D32052) ORF73 [Oryza sativa]		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102579	Strand	+
Start	3269	End	3538
Name	OJ000115_41.0331.C10.o5.np	Method	AAT/NAP
Start	3269	End	3538
GI	7489626	Score	467
Exons	3269..3538		
GI Descrip.	hypothetical protein 90 - rice mitochondrion gi|769711|dbj|BAA06815.1| (D32052) ORF90 [Oryza sativa]		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102580	Strand	+
Start	6831	End	13013
Name	OJ000115_41.0331.C10.o2.gs	Method	GENSCAN
Start	6831	End	11397
GI	none	Score	.7
Exons	6831..6833, 8913..9058, 9588..9652, 10373..10403, 10633..10713, 11202..11397		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102580	Strand	+
Start	6831	End	13013
Name	OJ000115_41.0331.C10.o7.np	Method	AAT/NAP
Start	7459	End	13013
GI	128766	Score	2213
Exons	7459..7919, 9150..9664, 12508..13013		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4 gi|14255|emb|CAA40452| (X57163) NADH-ubiquinone oxidoreductase chain 4 [Triticum aestivum] gi|21824|emb|CAA40453| (X57164) NADH-ubiquinone oxidoreductase chain 4 [Triticum aestivum]		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102581	Strand	-
Start	21	End	3511
Name	OJ000115_41.0331.C10.o1.gs	Method	GENSCAN
Start	21	End	3511
GI	none	Score	.83
Exons	21..111, 172..262, 1781..1990, 3126..3184, 3493..3511		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102581	Strand	-
Start	21	End	3511
Name	OJ000115_41.0331.C10.o1.np	Method	AAT/NAP
Start	1752	End	1963
GI	7489612	Score	363
Exons	1752..1963		
GI Descrip.	hypothetical protein 71 - rice mitochondrion gi|769715|dbj|BAA06819.1| (D32052) ORF71 [Oryza sativa]		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102581	Strand	-
Start	21	End	3511
Name	OJ000115_41.0331.C10.o2.np	Method	AAT/NAP
Start	2201	End	2440
GI	7489621	Score	410
Exons	2201..2440		
GI Descrip.	hypothetical protein 80 - rice mitochondrion gi|769714|dbj|BAA06818.1| (D32052) ORF80 [Oryza sativa]		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102581	Strand	-
Start	21	End	3511
Name	OJ000115_41.0331.C10.o3.np	Method	AAT/NAP
Start	2700	End	2927
GI	7489618	Score	394
Exons	2700..2927		
GI Descrip.	hypothetical protein 76 - rice mitochondrion gi|769713|dbj|BAA06817.1| (D32052) ORF76 [Oryza sativa]		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102581	Strand	-
Start	21	End	3511
Name	OJ000115_41.0331.C10.o4.np	Method	AAT/NAP
Start	2927	End	3142
GI	7489613	Score	373
Exons	2927..3142		
GI Descrip.	hypothetical protein 72 - rice mitochondrion gi|769712|dbj|BAA06816.1| (D32052) ORF72 [Oryza sativa]		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102582	Strand	-
Start	4053	End	4313
Name	OJ000115_41.0331.C10.o6.np	Method	AAT/NAP
Start	4053	End	4313
GI	7489625	Score	456
Exons	4053..4313		
GI Descrip.	hypothetical protein 87 - rice mitochondrion gi|769710|dbj|BAA06814.1| (D32052) ORF87 [Oryza sativa]		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102583	Strand	-
Start	5540	End	5636
Name	OJ000115_41.0331.C10.o1.gp	Method	AAT/GAP
Start	5540	End	5636
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	5540..5636		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102584	Strand	-
Start	11744	End	13072
Name	OJ000115_41.0331.C10.o2.tw	Method	TBLASTX:Wheat
Start	6848	End	7065
GI	none	Score	174
Exons	6848..6970, 6863..6970, 6864..6971, 6963..7064, 6964..7065, 6965..7063		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102584	Strand	-
Start	11744	End	13072
Name	OJ000115_41.0331.C10.o1.ts	Method	TBLASTX:Soybean
Start	9178	End	9612
GI	none	Score	42
Exons	9178..9240, 9202..9270, 9325..9612, 9339..9476		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102584	Strand	-
Start	11744	End	13072
Name	OJ000115_41.0331.C10.o1.tc	Method	TBLASTX:Cress
Start	9325	End	9663
GI	none	Score	273
Exons	9325..9663, 9339..9512, 9597..9656		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102584	Strand	-
Start	11744	End	13072
Name	OJ000115_41.0331.C10.o3.gs	Method	GENSCAN
Start	11744	End	13072
GI	none	Score	.63
Exons	11744..11857, 12002..12071, 12106..12238, 12916..13072		

Seq. No.	48159	Seq. ID	OJ000115_41.0331.C10
Gene No.	102584	Strand	-
Start	11744	End	13072
Name	OJ000115_41.0331.C10.o1.tw	Method	TBLASTX:Wheat
Start	12527	End	12956
GI	none	Score	689
Exons	12527..12928, 12530..12928, 12688..12954, 12889..12930, 12891..12956		

Seq. No.	48160	Seq. ID	OJ000115_41.0331.C11
Gene No.	102585	Strand	+
Start	1372	End	1932

Name	OJ000115_41.0331.C11.o1.ts	Method	TBLASTX:Soybean
Start	455	End	718
GI	none	Score	135
Exons	455..604, 464..595, 465..623, 614..718, 615..716		

Seq. No.	48160	Seq. ID	OJ000115_41.0331.C11
Gene No.	102585	Strand	+
Start	1372	End	1932
Name	OJ000115_41.0331.C11.o1.gs	Method	GENSCAN
Start	1372	End	1932
GI	none	Score	.98
Exons	1372..1932		

Seq. No.	48161	Seq. ID	OJ000115_41.0331.C12
Gene No.	102586	Strand	-
Start	2604	End	5561
Name	OJ000115_41.0331.C12.o1.gs	Method	GENSCAN
Start	2604	End	4912
GI	none	Score	.77
Exons	2604..2960, 3262..3504, 3734..4006, 4700..4912		

Seq. No.	48161	Seq. ID	OJ000115_41.0331.C12
Gene No.	102586	Strand	-
Start	2604	End	5561
Name	OJ000115_41.0331.C12.o1.np	Method	AAT/NAP
Start	4416	End	5561
GI	7489738	Score	1407
Exons	4416..5561		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	48161	Seq. ID	OJ000115_41.0331.C12
Gene No.	102586	Strand	-
Start	2604	End	5561
Name	OJ000115_41.0331.C12.o2.tm	Method	TBLASTX:Maize
Start	4455	End	4909
GI	none	Score	62
Exons	4455..4517, 4529..4642, 4688..4909, 4725..4853		

Seq. No.	48161	Seq. ID	OJ000115_41.0331.C12
Gene No.	102586	Strand	-
Start	2604	End	5561
Name	OJ000115_41.0331.C12.o2.tw	Method	TBLASTX:Wheat
Start	4467	End	4924
GI	none	Score	285
Exons	4467..4514, 4529..4924		

Seq. No.	48161	Seq. ID	OJ000115_41.0331.C12
Gene No.	102586	Strand	-
Start	2604	End	5561
Name	OJ000115_41.0331.C12.o1.ts	Method	TBLASTX:Soybean
Start	4532	End	5032
GI	none	Score	251
Exons	4532..4636, 4652..5032		

Seq. No.	48161	Seq. ID	OJ000115_41.0331.C12

Gene No.	102586	Strand	-
Start	2604	End	5561
Name	OJ000115_41.0331.C12.o1.tm	Method	TBLASTX:Maize
Start	4922	End	5353
GI	none	Score	119
Exons	4922..5218, 4923..5078, 5192..5353		

Seq. No.	48161	Seq. ID	OJ000115_41.0331.C12
Gene No.	102586	Strand	-
Start	2604	End	5561
Name	OJ000115_41.0331.C12.o1.tw	Method	TBLASTX:Wheat
Start	5006	End	5542
GI	none	Score	65
Exons	5006..5467, 5223..5312, 5453..5542		

Seq. No.	48162	Seq. ID	OJ000115_41.0331.C13
Gene No.	102587	Strand	+
Start	1260	End	1581
Name	OJ000115_41.0331.C13.o1.gp	Method	AAT/GAP
Start	1260	End	1581
GI	61605_3.R1084	Score	452
Exons	1260..1581		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	48162	Seq. ID	OJ000115_41.0331.C13
Gene No.	102588	Strand	-
Start	1	End	3007
Name	OJ000115_41.0331.C13.o1.np	Method	AAT/NAP
Start	1	End	3007
GI	7489738	Score	1233
Exons	1..1327, 2912..3007		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	48162	Seq. ID	OJ000115_41.0331.C13
Gene No.	102588	Strand	-
Start	1	End	3007
Name	OJ000115_41.0331.C13.o1.gs	Method	GENSCAN
Start	167	End	1129
GI	none	Score	.98
Exons	167..583, 629..1129		

Seq. No.	48162	Seq. ID	OJ000115_41.0331.C13
Gene No.	102588	Strand	-
Start	1	End	3007
Name	OJ000115_41.0331.C13.o2.ts	Method	TBLASTX:Soybean
Start	350	End	736
GI	none	Score	38
Exons	350..523, 462..524, 527..676, 527..736		

Seq. No.	48162	Seq. ID	OJ000115_41.0331.C13
Gene No.	102588	Strand	-
Start	1	End	3007
Name	OJ000115_41.0331.C13.o1.tw	Method	TBLASTX:Wheat
Start	353	End	1015

GI	none	Score	69
Exons	353..451, 428..736, 432..578, 624..671, 776..1015, 777..836		
Seq. No.	48162	Seq. ID	OJ000115_41.0331.C13
Gene No.	102588	Strand	-
Start	1	End	3007
Name	OJ000115_41.0331.C13.o1.tm	Method	TBLASTX:Maize
Start	542	End	1003
GI	none	Score	93
Exons	542..730, 543..728, 611..730, 776..1003		
Seq. No.	48162	Seq. ID	OJ000115_41.0331.C13
Gene No.	102588	Strand	-
Start	1	End	3007
Name	OJ000115_41.0331.C13.o1.ts	Method	TBLASTX:Soybean
Start	791	End	1190
GI	none	Score	123
Exons	791..1186, 894..1190		
Seq. No.	48162	Seq. ID	OJ000115_41.0331.C13
Gene No.	102588	Strand	-
Start	1	End	3007
Name	OJ000115_41.0331.C13.o2.gp	Method	AAT/GAP
Start	2568	End	2811
GI	101153_1.R1084	Score	384
Exons	2568..2811		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	48163	Seq. ID	OJ000115_41.0331.C14
Gene No.	102589	Strand	+
Start	1	End	297
Name	OJ000115_41.0331.C14.o1.np	Method	AAT/NAP
Start	1	End	297
GI	5852180	Score	246
Exons	1..297		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	48163	Seq. ID	OJ000115_41.0331.C14
Gene No.	102590	Strand	+
Start	3050	End	3416
Name	OJ000115_41.0331.C14.o3.gp	Method	AAT/GAP
Start	3050	End	3416
GI	none	Score	703
Exons	3050..3416		
Seq. No.	48163	Seq. ID	OJ000115_41.0331.C14
Gene No.	102591	Strand	-
Start	77	End	7192
Name	OJ000115_41.0331.C14.o1.gs	Method	GENSCAN
Start	77	End	7192
GI	none	Score	.68
Exons	77..318, 1652..2440, 3153..3375, 3832..4064, 4210..4484, 4625..4805, 6185..6332, 6695..6738, 6982..7192		
Seq. No.	48163	Seq. ID	OJ000115_41.0331.C14
Gene No.	102591	Strand	-

Start	77	End	7192
Name	OJ000115_41.0331.C14.o1.gp	Method	AAT/GAP
Start	113	End	337
GI	none	Score	399
Exons	113..337		

Seq. No.	48163	Seq. ID	OJ000115_41.0331.C14
Gene No.	102591	Strand	-
Start	77	End	7192
Name	OJ000115_41.0331.C14.o2.np	Method	AAT/NAP
Start	1201	End	2444
GI	4234846	Score	546
Exons	1201..1666, 1709..2444		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	48163	Seq. ID	OJ000115_41.0331.C14
Gene No.	102591	Strand	-
Start	77	End	7192
Name	OJ000115_41.0331.C14.o1.tm	Method	TBLASTX:Maize
Start	1371	End	2252
GI	none	Score	104
Exons	1371..1463, 1569..1640, 1833..2054, 1875..2054, 2067..2252		

Seq. No.	48163	Seq. ID	OJ000115_41.0331.C14
Gene No.	102591	Strand	-
Start	77	End	7192
Name	OJ000115_41.0331.C14.o2.gp	Method	AAT/GAP
Start	1901	End	2355
GI	2428590	Score	768
Exons	1901..2355		

Seq. No.	48163	Seq. ID	OJ000115_41.0331.C14
Gene No.	102591	Strand	-
Start	77	End	7192
Name	OJ000115_41.0331.C14.o3.np	Method	AAT/NAP
Start	4447	End	5047
GI	7248393	Score	222
Exons	4447..5047		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102592	Strand	+
Start	439	End	3734
Name	OJ000115_41.0331.C15.o1.gs	Method	GENSCAN
Start	439	End	3734
GI	none	Score	.76
Exons	439..582, 895..1213, 1511..1854, 1942..2151, 2233..2574, 2860..2973, 3153..3734		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102593	Strand	+
Start	13057	End	13757
Name	OJ000115_41.0331.C15.o4.gs	Method	GENSCAN
Start	13057	End	13757
GI	none	Score	.87
Exons	13057..13148, 13367..13484, 13572..13757		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102594	Strand	+
Start	15272	End	15730
Name	OJ000115_41.0331.C15.o2.gp	Method	AAT/GAP
Start	15241	End	15670
GI	none	Score	335
Exons	15241..15355, 15578..15670		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102594	Strand	+
Start	15272	End	15730
Name	OJ000115_41.0331.C15.o5.gs	Method	GENSCAN
Start	15272	End	15730
GI	none	Score	.46
Exons	15272..15355, 15529..15730		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102595	Strand	-
Start	3840	End	11947
Name	OJ000115_41.0331.C15.o2.gs	Method	GENSCAN
Start	3840	End	6706
GI	none	Score	.42
Exons	3840..3996, 4187..4932, 5227..5525, 5527..6235, 6398..6706		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102595	Strand	-
Start	3840	End	11947
Name	OJ000115_41.0331.C15.o1.np	Method	AAT/NAP
Start	4422	End	8092
GI	7248394	Score	1758
Exons	4422..4449, 5835..6902, 7170..8092		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102595	Strand	-
Start	3840	End	11947
Name	OJ000115_41.0331.C15.o3.gs	Method	GENSCAN
Start	7451	End	11062
GI	none	Score	.58
Exons	7451..8061, 8296..8411, 8939..9160, 9346..9790, 9899..10152, 10223..10390, 10659..11062		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102595	Strand	-
Start	3840	End	11947
Name	OJ000115_41.0331.C15.o2.np	Method	AAT/NAP
Start	10285	End	11947
GI	7248393	Score	231
Exons	10285..10603, 11922..11947		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-

Start	13384	End	13443
Name	OJ000115_41.0331.C15.o3.ts	Method	TBLASTX:Soybean
Start	4165	End	4404
GI	none	Score	133
Exons	4165..4404, 4265..4402		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-
Start	13384	End	13443
Name	OJ000115_41.0331.C15.o2.tw	Method	TBLASTX:Wheat
Start	4177	End	4587
GI	none	Score	70
Exons	4177..4587, 4235..4357		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-
Start	13384	End	13443
Name	OJ000115_41.0331.C15.o4.ts	Method	TBLASTX:Soybean
Start	4747	End	5145
GI	none	Score	212
Exons	4747..5145		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-
Start	13384	End	13443
Name	OJ000115_41.0331.C15.o3.tm	Method	TBLASTX:Maize
Start	5002	End	5379
GI	none	Score	186
Exons	5002..5379		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-
Start	13384	End	13443
Name	OJ000115_41.0331.C15.o4.tw	Method	TBLASTX:Wheat
Start	5567	End	5965
GI	none	Score	72
Exons	5567..5836, 5876..5965		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-
Start	13384	End	13443
Name	OJ000115_41.0331.C15.o1.ts	Method	TBLASTX:Soybean
Start	5600	End	6010
GI	none	Score	63
Exons	5600..5839, 5769..5840, 5873..6010, 5904..6008		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-
Start	13384	End	13443
Name	OJ000115_41.0331.C15.o2.ts	Method	TBLASTX:Soybean
Start	6149	End	6619
GI	none	Score	88
Exons	6149..6337, 6162..6290, 6338..6619, 6444..6581		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-
Start	13384	End	13443

Name	OJ000115_41.0331.C15.o3.tw	Method	TBLASTX:Wheat
Start	6236	End	6634
GI	none	Score	118
Exons	6236..6337, 6299..6634, 6303..6611		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-
Start	13384	End	13443
Name	OJ000115_41.0331.C15.o1.tm	Method	TBLASTX:Maize
Start	6305	End	6765
GI	none	Score	210
Exons	6305..6745, 6306..6614, 6377..6736, 6637..6765, 6733..6765		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-
Start	13384	End	13443
Name	OJ000115_41.0331.C15.o1.tw	Method	TBLASTX:Wheat
Start	6635	End	7038
GI	none	Score	84
Exons	6635..6745, 6637..6735, 6732..6971, 6733..6975, 6733..6987, 6848..6976, 6982..7038, 6992..7033		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-
Start	13384	End	13443
Name	OJ000115_41.0331.C15.o2.tm	Method	TBLASTX:Maize
Start	6766	End	6984
GI	none	Score	145
Exons	6766..6984, 6767..6976		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-
Start	13384	End	13443
Name	OJ000115_41.0331.C15.o5.ts	Method	TBLASTX:Soybean
Start	6835	End	7200
GI	none	Score	78
Exons	6835..6969, 6982..7200, 7010..7189		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-
Start	13384	End	13443
Name	OJ000115_41.0331.C15.o6.ts	Method	TBLASTX:Soybean
Start	7610	End	7948
GI	none	Score	200
Exons	7610..7948		

Seq. No.	48164	Seq. ID	OJ000115_41.0331.C15
Gene No.	102596	Strand	-
Start	13384	End	13443
Name	OJ000115_41.0331.C15.o1.gp	Method	AAT/GAP
Start	13384	End	13443
GI	none	Score	84
Exons	13384..13443		

Seq. No.	48165	Seq. ID	OJ000115_41.0331.C16
Gene No.	102597	Strand	+
Start	1	End	1142

Name	OJ000115_41.0331.C16.o1.np	Method	AAT/NAP
Start	1	End	1139
GI	6553892	Score	281
Exons	1..84, 112..230, 514..1139		
GI Descrip.	(AC012563) putative S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Arabidopsis thaliana]		

Seq. No.	48165	Seq. ID	OJ000115_41.0331.C16
Gene No.	102597	Strand	+
Start	1	End	1142
Name	OJ000115_41.0331.C16.o1.ts	Method	TBLASTX:Soybean
Start	13	End	635
GI	4396917	Score	111
Exons	13..90, 14..91, 115..228, 116..229, 498..635, 506..634		
GI Descrip.	2982464/emb_CAA18228_ 3.0e-23 (AL022223) putative protein [Arabidopsis thaliana]		

Seq. No.	48165	Seq. ID	OJ000115_41.0331.C16
Gene No.	102597	Strand	+
Start	1	End	1142
Name	OJ000115_41.0331.C16.o1.gs	Method	GENSCAN
Start	73	End	1142
GI	none	Score	.84
Exons	73..251, 487..1142		

Seq. No.	48166	Seq. ID	OJ000115_41.0331.C17
Gene No.	102598	Strand	-
Start	12	End	551
Name	OJ000115_41.0331.C17.o1.gs	Method	GENSCAN
Start	12	End	551
GI	none	Score	.86
Exons	12..111, 472..551		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102599	Strand	+
Start	1283	End	5834
Name	OJ000115_41.0331.C18.o1.gs	Method	GENSCAN
Start	1283	End	5834
GI	none	Score	.47
Exons	1283..1513, 1547..4341, 4586..5094, 5197..5834		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102599	Strand	+
Start	1283	End	5834
Name	OJ000115_41.0331.C18.o1.np	Method	AAT/NAP
Start	1283	End	5831
GI	4680179	Score	6666
Exons	1283..5831		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102600	Strand	+
Start	20896	End	21206
Name	OJ000115_41.0331.C18.o3.gp	Method	AAT/GAP
Start	20896	End	21206
GI	72524_1.R1084	Score	420
Exons	20896..21206		

GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102601	Strand	-
Start	3389	End	4169
Name	OJ000115_41.0331.C18.o1.gp	Method	AAT/GAP
Start	3389	End	4169
GI	4107134	Score	1159
Exons	3389..4169		
GI Descrip.	4680179/gb|AAD27547.1|AF111709_1 3.0e-97 (AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102602	Strand	-
Start	6533	End	8076
Name	OJ000115_41.0331.C18.o2.np	Method	AAT/NAP
Start	6533	End	8076
GI	7363272	Score	575
Exons	6533..6662, 6723..6893, 6923..7260, 8009..8076		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102603	Strand	-
Start	8583	End	8737
Name	OJ000115_41.0331.C18.o3.np	Method	AAT/NAP
Start	8583	End	8737
GI	7363271	Score	104
Exons	8583..8737		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o7.tw	Method	TBLASTX:Wheat
Start	1496	End	1876
GI	none	Score	298
Exons	1496..1876, 1516..1875		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o6.tm	Method	TBLASTX:Maize
Start	1757	End	2089
GI	none	Score	212
Exons	1757..2089, 1780..1944		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o8.tw	Method	TBLASTX:Wheat
Start	2417	End	2818
GI	none	Score	146
Exons	2417..2617, 2431..2583, 2645..2818, 2678..2737, 2719..2787		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-

Start	17354	End	20949
Name	OJ000115_41.0331.C18.o8.tm	Method	TBLASTX:Maize
Start	2455	End	2731
GI	none	Score	193
Exons	2455..2556, 2456..2731		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o3.tw	Method	TBLASTX:Wheat
Start	2993	End	3475
GI	none	Score	539
Exons	2993..3475, 3097..3432		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o4.tm	Method	TBLASTX:Maize
Start	3062	End	3529
GI	none	Score	384
Exons	3062..3529, 3133..3432		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o1.ts	Method	TBLASTX:Soybean
Start	3416	End	3811
GI	none	Score	57
Exons	3416..3448, 3418..3444, 3452..3811, 3459..3524, 3464..3781, 3556..3810		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o5.tw	Method	TBLASTX:Wheat
Start	3524	End	3826
GI	none	Score	394
Exons	3524..3826, 3525..3599, 3527..3817, 3556..3825		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o5.tm	Method	TBLASTX:Maize
Start	3545	End	3898
GI	none	Score	323
Exons	3545..3898, 3613..3675, 3706..3891		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o2.tw	Method	TBLASTX:Wheat
Start	3827	End	4336
GI	none	Score	604
Exons	3827..4336, 3835..4245		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-

Start	17354	End	20949
Name	OJ000115_41.0331.C18.o3.ts	Method	TBLASTX:Soybean
Start	3833	End	4078
GI	none	Score	198
Exons	3833..4078		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o2.tm	Method	TBLASTX:Maize
Start	3899	End	4259
GI	none	Score	469
Exons	3899..4252, 3901..4245, 4060..4257, 4107..4259		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o4.tw	Method	TBLASTX:Wheat
Start	4427	End	4820
GI	none	Score	507
Exons	4427..4513, 4428..4820, 4431..4787, 4565..4819		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o1.tc	Method	TBLASTX:Cress
Start	4527	End	4844
GI	none	Score	89
Exons	4527..4700, 4701..4844, 4703..4843		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o2.ts	Method	TBLASTX:Soybean
Start	4608	End	4868
GI	none	Score	289
Exons	4608..4868, 4613..4867		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o3.tm	Method	TBLASTX:Maize
Start	4667	End	4958
GI	none	Score	385
Exons	4667..4954, 4668..4958, 4669..4956		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o1.tw	Method	TBLASTX:Wheat
Start	4827	End	5453
GI	none	Score	683
Exons	4827..5453, 4832..5452		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949

Name	OJ000115_41.0331.C18.o1.tm	Method	TBLASTX:Maize
Start	5007	End	5594
GI	none	Score	192
Exons	5007..5168, 5015..5170, 5015..5161, 5165..5263, 5166..5594, 5333..5593		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o6.tw	Method	TBLASTX:Wheat
Start	5453	End	5786
GI	none	Score	355
Exons	5453..5722, 5454..5786		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o7.tm	Method	TBLASTX:Maize
Start	5594	End	5839
GI	none	Score	203
Exons	5594..5716, 5595..5807, 5783..5839		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o2.gp	Method	AAT/GAP
Start	14810	End	15123
GI	72524_1.R1084	Score	417
Exons	14810..15123		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o3.gs	Method	GENSCAN
Start	17354	End	20309
GI	none	Score	.55
Exons	17354..17682, 17721..17813, 18041..18295, 18309..18628, 19327..19994, 20154..20309		

Seq. No.	48167	Seq. ID	OJ000115_41.0331.C18
Gene No.	102604	Strand	-
Start	17354	End	20949
Name	OJ000115_41.0331.C18.o4.np	Method	AAT/NAP
Start	17408	End	20949
GI	7106512	Score	2952
Exons	17408..17783, 17838..18677, 18874..19268, 19327..20816, 20890..20949		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48168	Seq. ID	OJ000115_41.0331.C19
Gene No.	102605	Strand	-
Start	1	End	1035
Name	OJ000115_41.0331.C19.o1.np	Method	AAT/NAP
Start	1	End	1035

GI	7106512	Score	1344
Exons	1..1035		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	48168	Seq. ID	OJ000115_41.0331.C19
Gene No.	102605	Strand	-
Start	1	End	1035
Name	OJ000115_41.0331.C19.o1.gs	Method	GENSCAN
Start	42	End	894
GI	none	Score	.88
Exons	42..894		

Seq. No.	48169	Seq. ID	OJ000115_41.0331.C20
Gene No.	102606	Strand	+
Start	409	End	767
Name	OJ000115_41.0331.C20.o1.np	Method	AAT/NAP
Start	409	End	767
GI	7363272	Score	241
Exons	409..767		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	48169	Seq. ID	OJ000115_41.0331.C20
Gene No.	102606	Strand	+
Start	409	End	767
Name	OJ000115_41.0331.C20.o1.gs	Method	GENSCAN
Start	431	End	754
GI	none	Score	.97
Exons	431..445, 565..754		

Seq. No.	48170	Seq. ID	OJ000115_41.0331.C24
Gene No.	102607	Strand	-
Start	1	End	799
Name	OJ000115_41.0331.C24.o1.np	Method	AAT/NAP
Start	1	End	799
GI	5091513	Score	1266
Exons	1..799		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	48170	Seq. ID	OJ000115_41.0331.C24
Gene No.	102607	Strand	-
Start	1	End	799
Name	OJ000115_41.0331.C24.o1.gs	Method	GENSCAN
Start	26	End	698
GI	none	Score	.98
Exons	26..698		

Seq. No.	48171	Seq. ID	OJ000115_33.0331.C8
Gene No.	102608	Strand	-
Start	1	End	1773
Name	OJ000115_33.0331.C8.o1.np	Method	AAT/NAP
Start	1	End	1773
GI	6939228	Score	1923
Exons	1..1773		
GI Descrip.	(AC020579) putative phosphoribosylformylglycinamidine synthase [Arabidopsis thaliana]		

Seq. No.	48171	Seq. ID	OJ000115_33.0331.C8
Gene No.	102608	Strand	-
Start	1	End	1773
Name	OJ000115_33.0331.C8.o1.ts	Method	TBLASTX:Soybean
Start	2	End	359
GI	none	Score	205
Exons	2..352, 2..358, 204..359		

Seq. No.	48171	Seq. ID	OJ000115_33.0331.C8
Gene No.	102608	Strand	-
Start	1	End	1773
Name	OJ000115_33.0331.C8.o1.gs	Method	GENSCAN
Start	62	End	1613
GI	none	Score	.57
Exons	62..1613		

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102609	Strand	+
Start	1	End	4948
Name	OJ000115_33.0331.C10.o3.np	Method	AAT/NAP
Start	1	End	4948
GI	6069646	Score	630
Exons	1..69, 3068..3850, 4133..4497, 4909..4948		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102609	Strand	+
Start	1	End	4948
Name	OJ000115_33.0331.C10.o2.gs	Method	GENSCAN
Start	1226	End	4438
GI	none	Score	.47
Exons	1226..1691, 1947..2103, 2141..3018, 3060..4438		

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102609	Strand	+
Start	1	End	4948
Name	OJ000115_33.0331.C10.o2.np	Method	AAT/NAP
Start	3027	End	3511
GI	7484649	Score	292
Exons	3027..3511		
GI Descrip.	reverse transcriptase - beet retrotransposon (fragment) gi|2462134|emb|CAA73798.1| (Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102610	Strand	-
Start	111	End	1130
Name	OJ000115_33.0331.C10.o1.gs	Method	GENSCAN
Start	111	End	1130
GI	none	Score	1
Exons	111..1130		

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10

Gene No.	102610	Strand	-
Start	111	End	1130
Name	OJ000115_33.0331.C10.o1.np	Method	AAT/NAP
Start	123	End	1124
GI	3337095	Score	637
Exons	123..1124		
GI Descrip.	(AB016206) polygalacturonase inhibitor (PGIP) [Citrus iyo]		

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102611	Strand	-
Start	4653	End	4721
Name	OJ000115_33.0331.C10.o1.tc	Method	TBLASTX:Cress
Start	120	End	1043
GI	none	Score	117
Exons	120..245, 267..374, 354..455, 546..692, 552..746, 699..848,	396..683, 397..681, 426..524, 705..797, 933..1043	

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102611	Strand	-
Start	4653	End	4721
Name	OJ000115_33.0331.C10.o2.tm	Method	TBLASTX:Maize
Start	120	End	1043
GI	none	Score	67
Exons	120..374, 150..320, 216..383, 426..524, 426..455, 427..510, 537..725, 540..689, 550..669, 561..680, 561..632, 561..686, 705..797, 708..851, 709..852,	396..539, 400..540, 409..453, 477..518, 484..528, 486..527, 552..689, 558..683, 558..611, 618..671, 618..671, 622..753, 933..965, 960..1043	

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102611	Strand	-
Start	4653	End	4721
Name	OJ000115_33.0331.C10.o1.ts	Method	TBLASTX:Soybean
Start	120	End	983
GI	none	Score	47
Exons	120..374, 133..213, 201..320, 396..692, 406..516, 558..686, 703..810, 705..797, 747..797,	234..377, 240..305, 354..467, 562..690, 696..797, 699..851, 939..983	

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102611	Strand	-
Start	4653	End	4721
Name	OJ000115_33.0331.C10.o4.tm	Method	TBLASTX:Maize
Start	2658	End	3011
GI	none	Score	184
Exons	2658..3011		

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102611	Strand	-
Start	4653	End	4721
Name	OJ000115_33.0331.C10.o3.tm	Method	TBLASTX:Maize
Start	3038	End	3381
GI	none	Score	323
Exons	3038..3355, 3040..3381		

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102611	Strand	-

Start	4653	End	4721
Name	OJ000115_33.0331.C10.o1.tw	Method	TBLASTX:Wheat
Start	3272	End	3597
GI	none	Score	191
Exons	3272..3586, 3439..3597		

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102611	Strand	-
Start	4653	End	4721
Name	OJ000115_33.0331.C10.o1.tm	Method	TBLASTX:Maize
Start	3382	End	4069
GI	none	Score	468
Exons	3382..3921, 3383..4069		

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102611	Strand	-
Start	4653	End	4721
Name	OJ000115_33.0331.C10.o2.ts	Method	TBLASTX:Soybean
Start	3689	End	4237
GI	none	Score	156
Exons	3689..4039, 3898..4017, 4096..4200, 4115..4237		

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102611	Strand	-
Start	4653	End	4721
Name	OJ000115_33.0331.C10.o2.tw	Method	TBLASTX:Wheat
Start	3710	End	4150
GI	none	Score	157
Exons	3710..4012, 4016..4150		

Seq. No.	48172	Seq. ID	OJ000115_33.0331.C10
Gene No.	102611	Strand	-
Start	4653	End	4721
Name	OJ000115_33.0331.C10.o4.np	Method	AAT/NAP
Start	4653	End	4721
GI	5042454	Score	71
Exons	4653..4721		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102612	Strand	+
Start	32	End	316
Name	OJ000115_33.0331.C11.o1.np	Method	AAT/NAP
Start	32	End	316
GI	7523512	Score	189
Exons	32..316		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102613	Strand	+
Start	956	End	3489
Name	OJ000115_33.0331.C11.o1.gs	Method	GENSCAN
Start	956	End	3489
GI	none	Score	.94
Exons	956..1085, 1152..1647, 1716..3489		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11

Gene No.	102613	Strand	+
Start	956	End	3489
Name	OJ000115_33.0331.C11.o2.np	Method	AAT/NAP
Start	956	End	3486
GI	6907089	Score	2723
Exons	956..3486		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102614	Strand	+
Start	11374	End	12012
Name	OJ000115_33.0331.C11.o5.np	Method	AAT/NAP
Start	11205	End	11328
GI	7523512	Score	204
Exons	11205..11328		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102614	Strand	+
Start	11374	End	12012
Name	OJ000115_33.0331.C11.o3.gs	Method	GENSCAN
Start	11374	End	12012
GI	none	Score	.69
Exons	11374..12012		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102615	Strand	-
Start	4114	End	13306
Name	OJ000115_33.0331.C11.o2.gs	Method	GENSCAN
Start	4114	End	10982
GI	none	Score	.69
Exons	4114..5856, 5890..7650, 7714..7832, 7844..8152, 8183..8372, 8404..10109, 10146..10317, 10720..10762, 10918..10982		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102615	Strand	-
Start	4114	End	13306
Name	OJ000115_33.0331.C11.o3.np	Method	AAT/NAP
Start	4117	End	10038
GI	7228457	Score	8698
Exons	4117..5667, 5734..6693, 6816..7650, 7714..10038		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102615	Strand	-
Start	4114	End	13306
Name	OJ000115_33.0331.C11.o4.np	Method	AAT/NAP
Start	10264	End	13008
GI	5042454	Score	203
Exons	10264..10324, 10726..10894, 12612..13008		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102615	Strand	-
Start	4114	End	13306

Name	OJ000115_33.0331.C11.o1.gp	Method	AAT/GAP
Start	12125	End	12425
GI	4969189	Score	493
Exons	12125..12425		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102615	Strand	-
Start	4114	End	13306
Name	OJ000115_33.0331.C11.o4.gs	Method	GENSCAN
Start	12323	End	13252
GI	none	Score	.99
Exons	12323..13252		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102615	Strand	-
Start	4114	End	13306
Name	OJ000115_33.0331.C11.o7.np	Method	AAT/NAP
Start	12329	End	13258
GI	1679733	Score	588
Exons	12329..13258		
GI Descrip.	(U77041) polygalacturonase-inhibiting protein [Malus domestica]		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102615	Strand	-
Start	4114	End	13306
Name	OJ000115_33.0331.C11.o2.gp	Method	AAT/GAP
Start	12961	End	13306
GI	62575_1.R1084	Score	597
Exons	12961..13306		
GI Descrip.	'1143381/emb|CAA88846| 2.0e-09 (Z49063) polygalacturonase inhibitor [Actinidia deliciosa]'		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102616	Strand	-
Start	16063	End	17090
Name	OJ000115_33.0331.C11.o5.gs	Method	GENSCAN
Start	16063	End	17090
GI	none	Score	.75
Exons	16063..16491, 16665..17090		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102616	Strand	-
Start	16063	End	17090
Name	OJ000115_33.0331.C11.o8.np	Method	AAT/NAP
Start	16081	End	17063
GI	3978578	Score	599
Exons	16081..17063		
GI Descrip.	(AB020528) Polygalacturonase inhibitor [Poncirus trifoliata]		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102616	Strand	-
Start	16063	End	17090
Name	OJ000115_33.0331.C11.o3.gp	Method	AAT/GAP
Start	16241	End	16630
GI	LIB3433-037-P1-K1-G8	Score	701
Exons	16241..16630		
GI Descrip.	'1679733/gb|AAB19212.1| 4.0e-16 (U77041)		

polygalacturonase-inhibiting protein [Malus domestica]'

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o10.tm	Method	TBLASTX:Maize
Start	4114	End	4258
GI	none	Score	128
Exons	4114..4257, 4118..4258		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o7.tw	Method	TBLASTX:Wheat
Start	4126	End	4728
GI	none	Score	77
Exons	4126..4251, 4130..4252, 4418..4588, 4444..4728, 4445..4723		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o4.tw	Method	TBLASTX:Wheat
Start	4729	End	5110
GI	none	Score	238
Exons	4729..5109, 4760..5110		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o2.tm	Method	TBLASTX:Maize
Start	4924	End	5247
GI	none	Score	219
Exons	4924..5247, 4937..5230		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o8.tw	Method	TBLASTX:Wheat
Start	5440	End	5752
GI	none	Score	67
Exons	5440..5700, 5576..5752		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o5.tw	Method	TBLASTX:Wheat
Start	5755	End	6213
GI	none	Score	89
Exons	5755..5904, 5756..5893, 5938..6189, 5939..6124, 5992..6213		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o3.ts	Method	TBLASTX:Soybean
Start	6622	End	6993
GI	none	Score	90
Exons	6622..6993, 6833..6976		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o2.tw	Method	TBLASTX:Wheat
Start	6652	End	7072
GI	none	Score	298
Exons	6652..7071, 6677..7072		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o3.tm	Method	TBLASTX:Maize
Start	6745	End	7129
GI	none	Score	236
Exons	6745..7128, 6764..7129		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o1.tm	Method	TBLASTX:Maize
Start	7156	End	7512
GI	none	Score	75
Exons	7156..7272, 7156..7512, 7166..7477		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o1.tw	Method	TBLASTX:Wheat
Start	7180	End	7642
GI	none	Score	213
Exons	7180..7641, 7186..7641, 7187..7642		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o5.ts	Method	TBLASTX:Soybean
Start	7237	End	7602
GI	none	Score	126
Exons	7237..7371, 7378..7602		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o3.tw	Method	TBLASTX:Wheat
Start	7833	End	8292
GI	none	Score	84
Exons	7833..8072, 7833..8291, 7837..8097, 8119..8292		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o6.tw	Method	TBLASTX:Wheat
Start	9031	End	9369
GI	none	Score	86
Exons	9031..9288, 9065..9271, 9271..9369, 9314..9352		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o9.tm	Method	TBLASTX:Maize
Start	9142	End	9381
GI	none	Score	68
Exons	9142..9381, 9143..9247		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o5.tm	Method	TBLASTX:Maize
Start	11416	End	11952
GI	none	Score	205
Exons	11416..11706, 11427..11705, 11743..11952, 11803..11883		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o1.tc	Method	TBLASTX:Cress
Start	12335	End	16991
GI	none	Score	69
Exons	12335..12394, 12336..12395, 12401..12451, 12473..12589, 12563..12655, 12578..12658, 12695..12796, 12704..13030, 12777..12932, 13076..13126, 16087..16140, 16150..16194, 16150..16263, 16216..16329, 16345..16383, 16363..16467, 16426..16464, 16560..16853, 16590..16751, 16591..16752, 16659..16748, 16875..16991		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o1.ts	Method	TBLASTX:Soybean
Start	12341	End	16940
GI	none	Score	64
Exons	12341..12394, 12389..12517, 12401..12592, 12402..12524, 12461..12520, 12542..12664, 12593..12679, 12605..12655, 12689..13036, 12704..12799, 12705..12932, 12768..12935, 13076..13126, 16081..16146, 16126..16344, 16136..16330, 16147..16254, 16204..16254, 16339..16383, 16363..16467, 16426..16464, 16560..16856, 16590..16751, 16597..16755, 16659..16751, 16660..16752, 16818..16940		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o7.tm	Method	TBLASTX:Maize
Start	12407	End	16527
GI	none	Score	81
Exons	12407..12514, 12422..12604, 12429..12605, 12542..12661, 12543..12656, 12554..12658, 12605..12661, 12686..12787, 12687..12788, 16165..16335, 16166..16327, 16333..16383, 16426..16482, 16501..16527		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563

Name	OJ000115_33.0331.C11.o4.tm	Method	TBLASTX:Maize
Start	12792	End	17028
GI	none	Score	123
Exons	12792..12938, 12848..12943, 12980..13252, 12981..13133, 16560..16727, 16602..16754, 16603..16755, 16794..17000, 16795..17028		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o6.gs	Method	GENSCAN
Start	17587	End	24509
GI	none	Score	.83
Exons	17587..17699, 18250..18304, 18628..18798, 18982..19071, 19614..19725, 20122..20177, 20320..20506, 21373..21421, 21739..21811, 22348..22489, 22578..22774, 23506..23781, 24045..24509		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o9.np	Method	AAT/NAP
Start	18215	End	24563
GI	2462838	Score	1840
Exons	18215..18304, 18628..18798, 18982..19090, 19589..19725, 20122..20177, 20320..20584, 21373..21421, 21739..21811, 21890..22168, 22348..22408, 22578..22774, 23506..23781, 24045..24563		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o4.ts	Method	TBLASTX:Soybean
Start	18628	End	19977
GI	none	Score	142
Exons	18628..18798, 18629..18793, 18653..18796, 18979..19074, 19611..19724, 19614..19730, 19615..19725, 19906..19977, 19907..19969		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o6.tm	Method	TBLASTX:Maize
Start	18628	End	20457
GI	none	Score	194
Exons	18628..18798, 18653..18796, 18979..19074, 18983..19069, 19599..19724, 19601..19720, 19614..19730, 19615..19725, 19907..19969, 19909..19992, 19925..19999, 20110..20178, 20118..20180, 20121..20180, 20311..20457, 20315..20434, 20319..20456, 20320..20457		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o4.gp	Method	AAT/GAP
Start	20118	End	20458

GI	LIB3432-040-P1-K1-E7	Score	231
Exons	20118..20177, 20320..20458		
GI Descrip.	'2462838 3.0e-15 (AF000657) unknown protein [Arabidopsis thaliana]'		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o2.tc	Method	TBLASTX:Cress
Start	21918	End	22417
GI	none	Score	63
Exons	21918..21977, 22028..22141, 22028..22174, 22029..22184, 22346..22417, 22348..22416		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o8.tm	Method	TBLASTX:Maize
Start	22034	End	22596
GI	none	Score	144
Exons	22034..22168, 22035..22142, 22036..22170, 22346..22489, 22347..22493, 22347..22490, 22348..22500, 22348..22491, 22564..22596		

Seq. No.	48173	Seq. ID	OJ000115_33.0331.C11
Gene No.	102617	Strand	-
Start	17587	End	24563
Name	OJ000115_33.0331.C11.o2.ts	Method	TBLASTX:Soybean
Start	22046	End	22742
GI	none	Score	84
Exons	22046..22174, 22050..22142, 22069..22170, 22346..22516, 22347..22451, 22348..22494, 22573..22635, 22574..22741, 22578..22742		

Seq. No.	48174	Seq. ID	OJ000115_33.0331.C12
Gene No.	102618	Strand	+
Start	502	End	650
Name	OJ000115_33.0331.C12.o1.gs	Method	GENSCAN
Start	502	End	650
GI	none	Score	.42
Exons	502..650		

Seq. No.	48174	Seq. ID	OJ000115_33.0331.C12
Gene No.	102619	Strand	-
Start	1	End	2161
Name	OJ000115_33.0331.C12.o1.np	Method	AAT/NAP
Start	1	End	2161
GI	6503010	Score	275
Exons	1..28, 1728..2161		
GI Descrip.	(AF174427) formin-like protein AHF1 [Arabidopsis thaliana]		

Seq. No.	48174	Seq. ID	OJ000115_33.0331.C12
Gene No.	102619	Strand	-
Start	1	End	2161
Name	OJ000115_33.0331.C12.o1.tm	Method	TBLASTX:Maize
Start	1638	End	1970
GI	none	Score	109

Exons	1638..1817, 1719..1820, 1733..1825, 1812..1970, 1818..1952, 1829..1969		
Seq. No.	48174	Seq. ID	OJ000115_33.0331.C12
Gene No.	102619	Strand	-
Start	1	End	2161
Name	OJ000115_33.0331.C12.o2.gs	Method	GENSCAN
Start	1658	End	2125
GI	none	Score	.84
Exons	1658..2125		
Seq. No.	48175	Seq. ID	OJ000115_33.0331.C13
Gene No.	102620	Strand	-
Start	132	End	2099
Name	OJ000115_33.0331.C13.o1.np	Method	AAT/NAP
Start	132	End	2099
GI	6691123	Score	301
Exons	132..381, 1126..1364, 1401..2099		
GI Descrip.	(AF213695) FH protein NFH1 [Nicotiana tabacum]		
Seq. No.	48175	Seq. ID	OJ000115_33.0331.C13
Gene No.	102620	Strand	-
Start	132	End	2099
Name	OJ000115_33.0331.C13.o1.gs	Method	GENSCAN
Start	137	End	1989
GI	none	Score	.91
Exons	137..381, 1126..1286, 1401..1989		
Seq. No.	48175	Seq. ID	OJ000115_33.0331.C13
Gene No.	102620	Strand	-
Start	132	End	2099
Name	OJ000115_33.0331.C13.o2.tm	Method	TBLASTX:Maize
Start	137	End	274
GI	none	Score	160
Exons	137..271, 137..274		
Seq. No.	48175	Seq. ID	OJ000115_33.0331.C13
Gene No.	102620	Strand	-
Start	132	End	2099
Name	OJ000115_33.0331.C13.o1.ts	Method	TBLASTX:Soybean
Start	138	End	385
GI	none	Score	105
Exons	138..383, 140..382, 176..385		
Seq. No.	48175	Seq. ID	OJ000115_33.0331.C13
Gene No.	102620	Strand	-
Start	132	End	2099
Name	OJ000115_33.0331.C13.o1.tc	Method	TBLASTX:Cress
Start	144	End	385
GI	none	Score	101
Exons	144..383, 149..382, 161..385		
Seq. No.	48175	Seq. ID	OJ000115_33.0331.C13
Gene No.	102620	Strand	-
Start	132	End	2099
Name	OJ000115_33.0331.C13.o1.tm	Method	TBLASTX:Maize
Start	284	End	1453

GI	none	Score	90
Exons	284..382, 286..384, 308..385, 330..392, 1122..1286, 1124..1288, 1124..1285, 1400..1453, 1404..1451		

Seq. No.	48176	Seq. ID	OJ000115_33.0331.C14
Gene No.	102621	Strand	+
Start	246	End	502
Name	OJ000115_33.0331.C14.o1.gs	Method	GENSCAN
Start	246	End	502
GI	none	Score	.93
Exons	246..314, 391..502		

Seq. No.	48177	Seq. ID	OJ000115_33.0331.C15
Gene No.	102622	Strand	+
Start	1973	End	3797
Name	OJ000115_33.0331.C15.o2.gs	Method	GENSCAN
Start	1973	End	3797
GI	none	Score	.83
Exons	1973..2029, 2061..2251, 3575..3797		

Seq. No.	48177	Seq. ID	OJ000115_33.0331.C15
Gene No.	102622	Strand	+
Start	1973	End	3797
Name	OJ000115_33.0331.C15.o1.gp	Method	AAT/GAP
Start	3326	End	3406
GI	38012_1.R1084	Score	103
Exons	3326..3406		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	48177	Seq. ID	OJ000115_33.0331.C15
Gene No.	102622	Strand	+
Start	1973	End	3797
Name	OJ000115_33.0331.C15.o1.np	Method	AAT/NAP
Start	3594	End	3794
GI	2281092	Score	193
Exons	3594..3794		
GI Descrip.	(AC002333) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48177	Seq. ID	OJ000115_33.0331.C15
Gene No.	102623	Strand	+
Start	6086	End	9084
Name	OJ000115_33.0331.C15.o2.gp	Method	AAT/GAP
Start	6006	End	7806
GI	4879565	Score	679
Exons	6006..6122, 6642..6718, 6826..6979, 7510..7580, 7783..7806		

Seq. No.	48177	Seq. ID	OJ000115_33.0331.C15
Gene No.	102623	Strand	+
Start	6086	End	9084
Name	OJ000115_33.0331.C15.o3.gs	Method	GENSCAN
Start	6086	End	8944
GI	none	Score	.8
Exons	6086..6122, 6642..6718, 6826..6979, 7510..7580, 7819..7884, 8181..8255, 8366..8398, 8516..8596, 8713..8769, 8855..8944		

Seq. No.	48177	Seq. ID	OJ000115_33.0331.C15

Gene No.	102623	Strand	+
Start	6086	End	9084
Name	OJ000115_33.0331.C15.o2.np	Method	AAT/NAP
Start	7534	End	9084
GI	7211994	Score	61
Exons	7534..7580, 7783..7888, 9065..9084		
GI Descrip.	(AC004809) ESTs gb|AA728719, gb|Z26351 and gb|Z26350 come from this gene. [Arabidopsis thaliana]		

Seq. No.	48177	Seq. ID	OJ000115_33.0331.C15
Gene No.	102624	Strand	-
Start	1052	End	1363
Name	OJ000115_33.0331.C15.o1.gs	Method	GENSCAN
Start	1052	End	1363
GI	none	Score	.98
Exons	1052..1165, 1205..1363		

Seq. No.	48177	Seq. ID	OJ000115_33.0331.C15
Gene No.	102625	Strand	
Start	3586	End	3797
Name	OJ000115_33.0331.C15.o1.tm	Method	TBLASTX:Maize
Start	3586	End	3797
GI	none	Score	114
Exons	3586..3783, 3587..3703, 3602..3790, 3603..3791, 3747..3797		

Seq. No.	48177	Seq. ID	OJ000115_33.0331.C15
Gene No.	102625	Strand	
Start	3586	End	3797
Name	OJ000115_33.0331.C15.o1.ts	Method	TBLASTX:Soybean
Start	3603	End	3782
GI	none	Score	207
Exons	3603..3782, 3608..3772		

Seq. No.	48177	Seq. ID	OJ000115_33.0331.C15
Gene No.	102626	Strand	
Start	6071	End	8077
Name	OJ000115_33.0331.C15.o2.tm	Method	TBLASTX:Maize
Start	6071	End	8077
GI	none	Score	83
Exons	6071..6124, 6072..6122, 6079..6141, 6080..6124, 6626..6724, 6640..6717, 6825..6929, 6826..6936, 7740..7886, 7768..7890, 7771..7872, 7782..7886, 7988..8077, 7988..8077		

Seq. No.	48178	Seq. ID	OJ000115_33.0331.C16
Gene No.	102627	Strand	+
Start	145	End	860
Name	OJ000115_33.0331.C16.o1.gp	Method	AAT/GAP
Start	145	End	860
GI	none	Score	824
Exons	145..313, 402..464, 548..721, 804..860		

Seq. No.	48178	Seq. ID	OJ000115_33.0331.C16
Gene No.	102627	Strand	+
Start	145	End	860
Name	OJ000115_33.0331.C16.o1.gs	Method	GENSCAN
Start	217	End	721
GI	none	Score	.63

Exons	217..313, 548..721		
Seq. No.	48178	Seq. ID	OJ000115_33.0331.C16
Gene No.	102627	Strand	+
Start	145	End	860
Name	OJ000115_33.0331.C16.o1.tm	Method	TBLASTX:Maize
Start	285	End	859
GI	none	Score	53
Exons	285..311, 287..313, 398..466, 401..463, 538..639, 616..729, 621..701, 803..859		
Seq. No.	48178	Seq. ID	OJ000115_33.0331.C16
Gene No.	102627	Strand	+
Start	145	End	860
Name	OJ000115_33.0331.C16.o1.np	Method	AAT/NAP
Start	371	End	860
GI	6175185	Score	181
Exons	371..464, 548..721, 804..860		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		
Seq. No.	48179	Seq. ID	OJ000115_33.0331.C17
Gene No.	102628	Strand	-
Start	264	End	3078
Name	OJ000115_33.0331.C17.o1.gs	Method	GENSCAN
Start	264	End	2713
GI	none	Score	88
Exons	264..361, 668..705, 819..947, 986..1102, 1552..1659, 1696..1915, 2117..2285, 2586..2713		
Seq. No.	48179	Seq. ID	OJ000115_33.0331.C17
Gene No.	102628	Strand	-
Start	264	End	3078
Name	OJ000115_33.0331.C17.o1.np	Method	AAT/NAP
Start	487	End	3078
GI	6601502	Score	588
Exons	487..564, 668..702, 819..891, 986..1106, 1553..1617, 1696..1912, 2117..2285, 2411..2491, 2586..2632, 3016..3078		
GI Descrip.	(AF151366) arginine/serine-rich protein [Arabidopsis thaliana]		
Seq. No.	48179	Seq. ID	OJ000115_33.0331.C17
Gene No.	102628	Strand	-
Start	264	End	3078
Name	OJ000115_33.0331.C17.o1.tm	Method	TBLASTX:Maize
Start	2118	End	3076
GI	none	Score	71
Exons	2118..2234, 2129..2245, 2220..2285, 2250..2282, 2392..2484, 2411..2491, 2412..2492, 2580..2630, 2596..2631, 3014..3076		
Seq. No.	48179	Seq. ID	OJ000115_33.0331.C17
Gene No.	102628	Strand	-
Start	264	End	3078
Name	OJ000115_33.0331.C17.o1.gp	Method	AAT/GAP
Start	2204	End	3078
GI	uC-osf1cyp101a01b1	Score	451
Exons	2204..2285, 2411..2491, 2586..2632, 3016..3078		
GI Descrip.	'485126/gb|AAA50702.1| 3.0e-14 (U00052) Contains similarity to Pfam domain: PF00076 (rrm), Score=72.6, E-value=2.6e-18, N=1		

[Caenorhabditis elegans]'

Seq. No.	48180	Seq. ID	OJ000115_33.0331.C19
Gene No.	102629	Strand	-
Start	1130	End	2906
Name	OJ000115_33.0331.C19.o1.gp	Method	AAT/GAP
Start	1130	End	2050
GI	none	Score	1034
Exons	1130..1461, 1606..1652, 1744..1803, 1925..2050		

Seq. No.	48180	Seq. ID	OJ000115_33.0331.C19
Gene No.	102629	Strand	-
Start	1130	End	2906
Name	OJ000115_33.0331.C19.o1.np	Method	AAT/NAP
Start	1377	End	2906
GI	6587827	Score	229
Exons	1377..1461, 1606..1652, 1744..1888, 2855..2906		
GI Descrip.	(AC006551) Unknown protein [Arabidopsis thaliana]		

Seq. No.	48181	Seq. ID	OJ000115_33.0331.C20
Gene No.	102630	Strand	+
Start	76	End	5899
Name	OJ000115_33.0331.C20.o1.gp	Method	AAT/GAP
Start	76	End	3104
GI	none	Score	912
Exons	76..184, 1521..1659, 1757..1876, 2950..3104		

Seq. No.	48181	Seq. ID	OJ000115_33.0331.C20
Gene No.	102630	Strand	+
Start	76	End	5899
Name	OJ000115_33.0331.C20.o1.gs	Method	GENSCAN
Start	1521	End	5853
GI	none	Score	.88
Exons	1521..1659, 1757..1875, 2950..3342, 3479..4294, 5096..5308, 5671..5853		

Seq. No.	48181	Seq. ID	OJ000115_33.0331.C20
Gene No.	102630	Strand	+
Start	76	End	5899
Name	OJ000115_33.0331.C20.o2.tm	Method	TBLASTX:Maize
Start	3704	End	3919
GI	none	Score	205
Exons	3704..3919, 3711..3902, 3724..3903		

Seq. No.	48181	Seq. ID	OJ000115_33.0331.C20
Gene No.	102630	Strand	+
Start	76	End	5899
Name	OJ000115_33.0331.C20.o1.tm	Method	TBLASTX:Maize
Start	3957	End	5179
GI	none	Score	399
Exons	3957..4262, 3959..4252, 4250..4300, 4255..4302, 5080..5172, 5083..5172, 5087..5179		

Seq. No.	48181	Seq. ID	OJ000115_33.0331.C20
Gene No.	102630	Strand	+
Start	76	End	5899
Name	OJ000115_33.0331.C20.o1.np	Method	AAT/NAP

Start	3972	End	5899
GI	7487895	Score	529
Exons	3972..4294, 5096..5308, 5671..5899		
GI Descrip.	hypothetical protein YUP8H12R.13 - Arabidopsis thaliana gi|3152559|gb|AAC17040.1| (AC002986) Similarity to A. thaliana gene product F21M12.20, gb|AC000132. EST gb|Z25651 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	48181	Seq. ID	OJ000115_33.0331.C20
Gene No.	102630	Strand	+
Start	76	End	5899
Name	OJ000115_33.0331.C20.o1.tc	Method	TBLASTX:Cress
Start	4075	End	5805
GI	none	Score	217
Exons	4075..4206, 4076..4243, 4076..4243, 4089..4250, 4271..4300, 4273..4299, 5083..5310, 5087..5311, 5671..5805		

Seq. No.	48181	Seq. ID	OJ000115_33.0331.C20
Gene No.	102630	Strand	+
Start	76	End	5899
Name	OJ000115_33.0331.C20.o1.ts	Method	TBLASTX:Soybean
Start	4076	End	5769
GI	none	Score	228
Exons	4076..4243, 4078..4206, 4271..4300, 5083..5310, 5087..5311, 5677..5769		

Seq. No.	48181	Seq. ID	OJ000115_33.0331.C20
Gene No.	102630	Strand	+
Start	76	End	5899
Name	OJ000115_33.0331.C20.o1.tw	Method	TBLASTX:Wheat
Start	5087	End	5817
GI	none	Score	321
Exons	5087..5311, 5089..5301, 5671..5817		

Seq. No.	48181	Seq. ID	OJ000115_33.0331.C20
Gene No.	102630	Strand	+
Start	76	End	5899
Name	OJ000115_33.0331.C20.o3.tm	Method	TBLASTX:Maize
Start	5179	End	5350
GI	none	Score	187
Exons	5179..5319, 5180..5320, 5180..5350		

Seq. No.	48182	Seq. ID	OJ000115_33.0331.C21
Gene No.	102631	Strand	-
Start	695	End	3140
Name	OJ000115_33.0331.C21.o1.gp	Method	AAT/GAP
Start	404	End	765
GI	none	Score	514
Exons	404..765		

Seq. No.	48182	Seq. ID	OJ000115_33.0331.C21
Gene No.	102631	Strand	-
Start	695	End	3140
Name	OJ000115_33.0331.C21.o1.gs	Method	GENSCAN
Start	695	End	2470
GI	none	Score	.76
Exons	695..895, 1566..1698, 2355..2470		

Seq. No.	48182	Seq. ID	OJ000115_33.0331.C21
Gene No.	102631	Strand	-
Start	695	End	3140
Name	OJ000115_33.0331.C21.o1.np	Method	AAT/NAP
Start	1077	End	3140
GI	7486313	Score	332
Exons	1077..1109, 1332..1460, 1566..1698, 2355..2460, 3118..3140		
GI Descrip.	hypothetical protein F28M11.60 - Arabidopsis thaliana gi|4538978|emb|CAB39766.1| (AL049487) hypothetical protein [Arabidopsis thaliana] gi|7267710|emb|CAB78137.1| (AL161516) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48182	Seq. ID	OJ000115_33.0331.C21
Gene No.	102631	Strand	-
Start	695	End	3140
Name	OJ000115_33.0331.C21.o2.gp	Method	AAT/GAP
Start	1078	End	2408
GI	77222_3.R1084	Score	946
Exons	1078..1460, 1566..1698, 2355..2408		
GI Descrip.	'4538978/emb|CAB39766.1| 4.0e-30 (AL049487) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48182	Seq. ID	OJ000115_33.0331.C21
Gene No.	102631	Strand	-
Start	695	End	3140
Name	OJ000115_33.0331.C21.o1.tm	Method	TBLASTX:Maize
Start	1315	End	2473
GI	none	Score	158
Exons	1315..1461, 1323..1460, 1563..1700, 1563..1700, 1567..1704, 1567..1701, 2349..2468, 2357..2473, 2369..2461		

Seq. No.	48182	Seq. ID	OJ000115_33.0331.C21
Gene No.	102631	Strand	-
Start	695	End	3140
Name	OJ000115_33.0331.C21.o1.ts	Method	TBLASTX:Soybean
Start	1336	End	2515
GI	none	Score	91
Exons	1336..1458, 1338..1460, 1563..1745, 1567..1704, 2355..2468, 2357..2515		

Seq. No.	48183	Seq. ID	OJ000115_33.0331.C23
Gene No.	102632	Strand	+
Start	50	End	243
Name	OJ000115_33.0331.C23.o1.gs	Method	GENSCAN
Start	50	End	243
GI	none	Score	.98
Exons	50..243		

Seq. No.	48183	Seq. ID	OJ000115_33.0331.C23
Gene No.	102633	Strand	-
Start	670	End	1057
Name	OJ000115_33.0331.C23.o2.gs	Method	GENSCAN
Start	670	End	1057
GI	none	Score	.84
Exons	670..830, 974..1057		

Seq. No.	48184	Seq. ID	OJ000115_33.0331.C24
Gene No.	102634	Strand	-
Start	917	End	2488
Name	OJ000115_33.0331.C24.o1.gp	Method	AAT/GAP
Start	672	End	2381
GI	85389_1.R1084	Score	1149
Exons	672..1015, 1170..1247, 1655..1731, 1820..1911, 2298..2381		
GI Descrip.	'4960024/gb|AAD34585.1| 2.0e-75 (AF144079) S-adenosyl-L-methionine:L-methionine S-methyltransferase [Zea mays]'		

Seq. No.	48184	Seq. ID	OJ000115_33.0331.C24
Gene No.	102634	Strand	-
Start	917	End	2488
Name	OJ000115_33.0331.C24.o1.tm	Method	TBLASTX:Maize
Start	914	End	2368
GI	none	Score	122
Exons	914..1018, 915..1031, 1157..1240, 1170..1241, 1170..1247, 1231..1248, 1652..1729, 1653..1730, 1654..1734, 1816..1935, 1818..1913, 2277..2366, 2292..2366, 2297..2368, 2299..2367		

Seq. No.	48184	Seq. ID	OJ000115_33.0331.C24
Gene No.	102634	Strand	-
Start	917	End	2488
Name	OJ000115_33.0331.C24.o1.gs	Method	GENSCAN
Start	917	End	2364
GI	none	Score	.75
Exons	917..1015, 1170..1247, 1655..1731, 2298..2364		

Seq. No.	48184	Seq. ID	OJ000115_33.0331.C24
Gene No.	102634	Strand	-
Start	917	End	2488
Name	OJ000115_33.0331.C24.o1.np	Method	AAT/NAP
Start	1809	End	2488
GI	6682622	Score	60
Exons	1809..1924, 2454..2488		
GI Descrip.	(AC016163) unknown protein [Arabidopsis thaliana]		

Seq. No.	48185	Seq. ID	OJ000115_33.0331.C25
Gene No.	102635	Strand	-
Start	146	End	3513
Name	OJ000115_33.0331.C25.o1.gp	Method	AAT/GAP
Start	146	End	533
GI	85389_1.R1084	Score	325
Exons	146..207, 416..533		
GI Descrip.	'4960024/gb|AAD34585.1| 2.0e-75 (AF144079) S-adenosyl-L-methionine:L-methionine S-methyltransferase [Zea mays]'		

Seq. No.	48185	Seq. ID	OJ000115_33.0331.C25
Gene No.	102635	Strand	-
Start	146	End	3513
Name	OJ000115_33.0331.C25.o1.gs	Method	GENSCAN
Start	146	End	3494
GI	none	Score	.94
Exons	146..207, 416..543, 640..749, 1163..1309, 1737..1810, 2552..2722, 3194..3494		

Seq. No.	48185	Seq. ID	OJ000115_33.0331.C25
Gene No.	102635	Strand	-
Start	146	End	3513
Name	OJ000115_33.0331.C25.o1.np	Method	AAT/NAP
Start	146	End	2717
GI	6682622	Score	300
Exons	146..207, 416..543, 640..749, 1163..1309, 1765..1817, 2520..2717		
GI Descrip.	(AC016163) unknown protein [Arabidopsis thaliana]		

Seq. No.	48185	Seq. ID	OJ000115_33.0331.C25
Gene No.	102635	Strand	-
Start	146	End	3513
Name	OJ000115_33.0331.C25.o2.np	Method	AAT/NAP
Start	1172	End	3513
GI	7302192	Score	148
Exons	1172..1309, 2353..2385, 2550..2722, 3194..3513		
GI Descrip.	(AE003784) CG7861 gene product [Drosophila melanogaster]		

Seq. No.	48185	Seq. ID	OJ000115_33.0331.C25
Gene No.	102635	Strand	-
Start	146	End	3513
Name	OJ000115_33.0331.C25.o1.tm	Method	TBLASTX:Maize
Start	3228	End	3500
GI	none	Score	247
Exons	3228..3500, 3229..3495		

Seq. No.	48186	Seq. ID	OJ000115_33.0331.C26
Gene No.	102636	Strand	+
Start	348	End	3334
Name	OJ000115_33.0331.C26.o1.gs	Method	GENSCAN
Start	348	End	3334
GI	none	Score	.91
Exons	348..361, 455..527, 814..861, 1774..1845, 2096..2251, 2600..2703, 3229..3334		

Seq. No.	48186	Seq. ID	OJ000115_33.0331.C26
Gene No.	102636	Strand	+
Start	348	End	3334
Name	OJ000115_33.0331.C26.o1.np	Method	AAT/NAP
Start	441	End	3319
GI	7438373	Score	629
Exons	441..527, 651..698, 814..861, 1774..1845, 2096..2251, 2600..2703, 3229..3319		
GI Descrip.	GTP-binding protein RAB1 - garden petunia gi|4096662|gb|AAD10389.1| (U35026) Rab1-like small GTP-binding protein [Petunia x hybrida]		

Seq. No.	48186	Seq. ID	OJ000115_33.0331.C26
Gene No.	102637	Strand	-
Start	3416	End	6406
Name	OJ000115_33.0331.C26.o2.tw	Method	TBLASTX:Wheat
Start	437	End	5849
GI	none	Score	86
Exons	437..532, 456..524, 456..548, 5691..5741, 5692..5739, 5739..5843, 5741..5848, 5742..5849		

Seq. No.	48186	Seq. ID	OJ000115_33.0331.C26
Gene No.	102637	Strand	-
Start	3416	End	6406
Name	OJ000115_33.0331.C26.o1.tc	Method	TBLASTX:Cress
Start	455	End	5854
GI	none	Score	87
Exons	455..532, 456..524, 1774..1848, 2096..2251, 2597..2695, 3894..3965, 3898..3963, 3975..4385, 3990..4445, 3994..4386, 5691..5741, 5692..5739, 5741..5851, 5742..5843, 5744..5854		

Seq. No.	48186	Seq. ID	OJ000115_33.0331.C26
Gene No.	102637	Strand	-
Start	3416	End	6406
Name	OJ000115_33.0331.C26.o1.ts	Method	TBLASTX:Soybean
Start	455	End	5852
GI	none	Score	87
Exons	455..532, 456..524, 1774..1848, 2096..2200, 2597..2695, 3894..3965, 3990..4178, 3991..4179, 4176..4445, 4179..4385, 5691..5741, 5692..5739, 5741..5851, 5742..5852		

Seq. No.	48186	Seq. ID	OJ000115_33.0331.C26
Gene No.	102637	Strand	-
Start	3416	End	6406
Name	OJ000115_33.0331.C26.o1.tm	Method	TBLASTX:Maize
Start	456	End	5860
GI	none	Score	87
Exons	456..524, 1774..1848, 2096..2248, 2600..2695, 3990..4445, 3991..4386, 5691..5738, 5692..5739, 5741..5860, 5760..5840		

Seq. No.	48186	Seq. ID	OJ000115_33.0331.C26
Gene No.	102637	Strand	-
Start	3416	End	6406
Name	OJ000115_33.0331.C26.o1.tw	Method	TBLASTX:Wheat
Start	1774	End	4382
GI	none	Score	106
Exons	1774..1848, 2096..2251, 2597..2695, 4004..4204, 4005..4355, 4008..4382, 4009..4365		

Seq. No.	48186	Seq. ID	OJ000115_33.0331.C26
Gene No.	102637	Strand	-
Start	3416	End	6406
Name	OJ000115_33.0331.C26.o1.gp	Method	AAT/GAP
Start	3416	End	5960
GI	58662_1.R1084	Score	2299
Exons	3416..4382, 5694..5960		
GI Descrip.	'1405561/emb|CAA67153| 2.0e-39 (X98540) FSGTP1 [Fagus sylvatica]'		

Seq. No.	48186	Seq. ID	OJ000115_33.0331.C26
Gene No.	102637	Strand	-
Start	3416	End	6406
Name	OJ000115_33.0331.C26.o2.gs	Method	GENSCAN
Start	3837	End	6406
GI	none	Score	.69
Exons	3837..4382, 5694..5815, 5997..6106, 6258..6406		

Seq. No.	48186	Seq. ID	OJ000115_33.0331.C26

Gene No.	102637	Strand	-
Start	3416	End	6406
Name	OJ000115_33.0331.C26.o2.np	Method	AAT/NAP
Start	3891	End	5857
GI	3024516	Score	799
Exons	3891..4382, 5694..5857		
GI Descrip.	RAS-RELATED PROTEIN RAB11C gi|2160157 (AC000132) Strong similarity to A. thaliana ara-2 (gb|ATHARA2). ESTs gb|ATTS2483,gb|ATTS2484,gb|AA042159 come from this gene. [Arabidopsis thaliana] gi|2231303 (U74669) ras-related small GTPase [Arabidopsis thaliana]		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102638	Strand	+
Start	3050	End	3913
Name	OJ000115_33.0331.C27.o1.gs	Method	GENSCAN
Start	3050	End	3913
GI	none	Score	.93
Exons	3050..3131, 3894..3913		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o2.gs	Method	GENSCAN
Start	5414	End	14998
GI	none	Score	.79
Exons	5414..5669, 7816..7874, 8794..9094, 10180..10373, 10750..10956, 11049..11144, 11343..11552, 11765..11953, 12027..12263, 12346..12480, 12727..13032, 13142..13321, 13613..14080, 14167..14577, 14906..14998		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o2.tc	Method	TBLASTX:Cress
Start	5435	End	10791
GI	none	Score	80
Exons	5435..5530, 8857..9009, 10179..10367, 10186..10371, 10190..10366, 10225..10368, 10744..10791		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o4.tm	Method	TBLASTX:Maize
Start	5456	End	10299
GI	none	Score	82
Exons	5456..5527, 5594..5638, 8872..9036, 9001..9096, 9030..9095, 10140..10298, 10178..10297, 10179..10298, 10183..10299		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o1.np	Method	AAT/NAP
Start	8845	End	9454
GI	4960024	Score	267
Exons	8845..9170, 9421..9454		
GI Descrip.	(AF144079) S-adenosyl-L-methionine:L-methionine		

S-methyltransferase [Zea mays]

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o2.np	Method	AAT/NAP
Start	8845	End	15028
GI	4960024	Score	4300
Exons	8845..9094, 10180..10373, 10750..10956, 11049..11144, 11364..11552, 11765..11953, 12027..12263, 12346..12480, 12712..13032, 13142..13321, 13613..14577, 14906..15028		
GI Descrip.	(AF144079) S-adenosyl-L-methionine:L-methionine S-methyltransferase [Zea mays]		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o1.ts	Method	TBLASTX:Soybean
Start	10211	End	11132
GI	none	Score	270
Exons	10211..10375, 10215..10376, 10222..10377, 10734..10871, 10737..10952, 10747..10959, 10747..10956, 11043..11132, 11046..11132		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o2.tm	Method	TBLASTX:Maize
Start	10733	End	12130
GI	none	Score	174
Exons	10733..10954, 10734..10874, 10743..10955, 10747..10959, 10747..10956, 11046..11144, 11047..11145, 11048..11143, 11358..11552, 11363..11551, 11413..11553, 11759..11968, 11761..11955, 11762..11977, 12024..12128, 12025..12129, 12026..12130		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o4.tc	Method	TBLASTX:Cress
Start	11854	End	12116
GI	none	Score	170
Exons	11854..11955, 11855..11968, 12023..12115, 12027..12116		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o1.gp	Method	AAT/GAP
Start	12114	End	13263
GI	4715491	Score	1341
Exons	12114..12263, 12346..12480, 12727..13032, 13142..13263		
GI Descrip.	4960024/gb|AAD34585.1| 2.0e-75 (AF144079) S-adenosyl-L-methionine:L-methionine S-methyltransferase [Zea mays]		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+

Start	5414	End	15028
Name	OJ000115_33.0331.C27.o3.tm	Method	TBLASTX:Maize
Start	12131	End	12405
GI	none	Score	231
Exons	12131..12262, 12132..12263, 12139..12291, 12144..12263, 12343..12393, 12346..12405, 12348..12404		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o3.ts	Method	TBLASTX:Soybean
Start	12420	End	13185
GI	none	Score	86
Exons	12420..12467, 12421..12480, 12738..13025, 12739..13026, 13106..13183, 13141..13185		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o1.tm	Method	TBLASTX:Maize
Start	12732	End	15025
GI	none	Score	388
Exons	12732..13034, 12733..13035, 12733..13035, 13115..13321, 13139..13318, 13141..13320, 13610..14164, 13610..14164, 13612..14166, 13612..14166, 14129..14536, 14146..14577, 14166..14573, 14900..15019, 14903..15025, 14944..15024		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o3.tc	Method	TBLASTX:Cress
Start	12784	End	13035
GI	none	Score	258
Exons	12784..13035, 12786..13034		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o1.tc	Method	TBLASTX:Cress
Start	13259	End	14397
GI	none	Score	95
Exons	13259..13321, 13625..14143, 13637..14149, 13729..14148, 14203..14280, 14320..14397		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+
Start	5414	End	15028
Name	OJ000115_33.0331.C27.o2.gp	Method	AAT/GAP
Start	13613	End	14562
GI	5994_1.R1084	Score	1870
Exons	13613..14562		
GI Descrip.	'4960024/gb|AAD34585.1| 1.0e-153 (AF144079) S-adenosyl-L-methionine:L-methionine S-methyltransferase [Zea mays]'		

Seq. No.	48187	Seq. ID	OJ000115_33.0331.C27
Gene No.	102639	Strand	+

Start	5414	End	15028
Name	OJ000115_33.0331.C27.o2.ts	Method	TBLASTX:Soybean
Start	13709	End	14086
GI	none	Score	381
Exons	13709..14086, 13724..14002, 13729..14067		

Seq. No.	48188	Seq. ID	OJ000115_33.0331.C28
Gene No.	102640	Strand	+
Start	1736	End	4181
Name	OJ000115_33.0331.C28.o2.gp	Method	AAT/GAP
Start	1736	End	2186
GI	2310119	Score	650
Exons	1736..2032, 2137..2186		

Seq. No.	48188	Seq. ID	OJ000115_33.0331.C28
Gene No.	102640	Strand	+
Start	1736	End	4181
Name	OJ000115_33.0331.C28.o1.gs	Method	GENSCAN
Start	1754	End	4181
GI	none	Score	.46
Exons	1754..1942, 2425..2523, 4056..4181		

Seq. No.	48188	Seq. ID	OJ000115_33.0331.C28
Gene No.	102640	Strand	+
Start	1736	End	4181
Name	OJ000115_33.0331.C28.o1.np	Method	AAT/NAP
Start	1925	End	4181
GI	6041853	Score	560
Exons	1925..2032, 2137..2204, 2288..2351, 2425..2496, 2955..3088, 3274..3418, 3515..3625, 4056..4181		
GI Descrip.	(AC009853) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48188	Seq. ID	OJ000115_33.0331.C28
Gene No.	102640	Strand	+
Start	1736	End	4181
Name	OJ000115_33.0331.C28.o3.gp	Method	AAT/GAP
Start	3770	End	4096
GI	286398	Score	642
Exons	3770..4096		

Seq. No.	48188	Seq. ID	OJ000115_33.0331.C28
Gene No.	102641	Strand	-
Start	1	End	214
Name	OJ000115_33.0331.C28.o1.gp	Method	AAT/GAP
Start	1	End	214
GI	4785_1.R1084	Score	413
Exons	1..214		
GI Descrip.	'4960024/gb|AAD34585.1| 6.0e-41 (AF144079) S-adenosyl-L-methionine:L-methionine S-methyltransferase [Zea mays]'		

Seq. No.	48188	Seq. ID	OJ000115_33.0331.C28
Gene No.	102642	Strand	
Start	1877	End	2500
Name	OJ000115_33.0331.C28.o1.ts	Method	TBLASTX:Soybean
Start	1877	End	2351
GI	none	Score	105

Exons	1877..2035, 1939..2037, 2134..2202, 2136..2204, 2289..2351		
Seq. No.	48188	Seq. ID	OJ000115_33.0331.C28
Gene No.	102642	Strand	
Start	1877	End	2500
Name	OJ000115_33.0331.C28.o1.tm	Method	TBLASTX:Maize
Start	1907	End	2500
GI	none	Score	161
Exons	1907..2035, 1918..2037, 2128..2208, 2134..2205, 2284..2352, 2286..2351, 2412..2489, 2413..2496, 2419..2499, 2423..2500		
Seq. No.	48188	Seq. ID	OJ000115_33.0331.C28
Gene No.	102643	Strand	
Start	3289	End	3610
Name	OJ000115_33.0331.C28.o2.tm	Method	TBLASTX:Maize
Start	3289	End	3610
GI	none	Score	65
Exons	3289..3333, 3290..3349, 3338..3421, 3343..3420, 3344..3421, 3512..3598, 3515..3610		
Seq. No.	48188	Seq. ID	OJ000115_33.0331.C28
Gene No.	102644	Strand	
Start	4055	End	4181
Name	OJ000115_33.0331.C28.o3.tm	Method	TBLASTX:Maize
Start	4055	End	4181
GI	none	Score	185
Exons	4055..4177, 4056..4181		
Seq. No.	48189	Seq. ID	OJ000115_33.0331.C29
Gene No.	102645	Strand	+
Start	1	End	959
Name	OJ000115_33.0331.C29.o1.gp	Method	AAT/GAP
Start	1	End	959
GI	23131_1.R1084	Score	832
Exons	1..277, 381..460, 863..959		
GI Descrip.	'2088652 9.0e-95 (AF002109) 26S proteasome regulatory subunit S12 isolog [Arabidopsis thaliana] >gi_2351376 (U54561) translation initiation factor eIF2 p47 subunit homolog [Arabidopsis thaliana]'		
Seq. No.	48189	Seq. ID	OJ000115_33.0331.C29
Gene No.	102645	Strand	+
Start	1	End	959
Name	OJ000115_33.0331.C29.o1.np	Method	AAT/NAP
Start	32	End	959
GI	2088652	Score	376
Exons	32..277, 381..460, 863..959		
GI Descrip.	(AF002109) 26S proteasome regulatory subunit [Arabidopsis thaliana] gi|2351376 (U54561) translation initiation factor eIF2 p47 subunit homolog [Arabidopsis thaliana]		
Seq. No.	48189	Seq. ID	OJ000115_33.0331.C29
Gene No.	102645	Strand	+
Start	1	End	959
Name	OJ000115_33.0331.C29.o1.gs	Method	GENSCAN
Start	59	End	782
GI	none	Score	.87

Exons	59..277, 381..460, 728..782		
Seq. No.	48189	Seq. ID	OJ000115_33.0331.C29
Gene No.	102645	Strand	+
Start	1	End	959
Name	OJ000115_33.0331.C29.o1.tc	Method	TBLASTX:Cress
Start	95	End	958
GI	none	Score	244
Exons	95..280, 130..279, 369..461, 380..463, 380..463, 889..957, 890..958		
Seq. No.	48189	Seq. ID	OJ000115_33.0331.C29
Gene No.	102645	Strand	+
Start	1	End	959
Name	OJ000115_33.0331.C29.o1.tm	Method	TBLASTX:Maize
Start	95	End	958
GI	none	Score	270
Exons	95..280, 109..279, 378..461, 380..463, 380..460, 858..890, 863..892, 889..957, 890..958		
Seq. No.	48189	Seq. ID	OJ000115_33.0331.C29
Gene No.	102645	Strand	+
Start	1	End	959
Name	OJ000115_33.0331.C29.o1.ts	Method	TBLASTX:Soybean
Start	95	End	958
GI	none	Score	242
Exons	95..280, 109..279, 368..463, 378..461, 380..463, 830..889, 889..957, 890..958		
Seq. No.	48190	Seq. ID	OJ000115_33.0331.C30
Gene No.	102646	Strand	-
Start	1	End	1291
Name	OJ000115_33.0331.C30.o1.np	Method	AAT/NAP
Start	1	End	1291
GI	4927259	Score	306
Exons	1..303, 777..906, 1262..1291		
GI Descrip.	(AF142322) putative transcription repressor maize TRM protein [Zea mays]		
Seq. No.	48190	Seq. ID	OJ000115_33.0331.C30
Gene No.	102646	Strand	-
Start	1	End	1291
Name	OJ000115_33.0331.C30.o1.tm	Method	TBLASTX:Maize
Start	2	End	352
GI	none	Score	184
Exons	2..199, 2..190, 81..215, 317..352		
Seq. No.	48190	Seq. ID	OJ000115_33.0331.C30
Gene No.	102646	Strand	-
Start	1	End	1291
Name	OJ000115_33.0331.C30.o1.ts	Method	TBLASTX:Soybean
Start	62	End	909
GI	none	Score	37
Exons	62..187, 89..184, 89..184, 113..184, 113..175, 766..909, 766..876, 772..855, 789..827, 791..907, 814..909		
Seq. No.	48190	Seq. ID	OJ000115_33.0331.C30

Gene No.	102646	Strand	-
Start	1	End	1291
Name	OJ000115_33.0331.C30.o2.tm	Method	TBLASTX:Maize
Start	750	End	909
GI	none	Score	56
Exons	750..896, 766..909, 772..909,	772..855,	772..885, 794..907

Seq. No.	48191	Seq. ID	OJ000115_33.0331.C31
Gene No.	102647	Strand	-
Start	117	End	461
Name	OJ000115_33.0331.C31.o1.gs	Method	GENSCAN
Start	117	End	374
GI	none	Score	.86
Exons	117..175, 259..374		

Seq. No.	48191	Seq. ID	OJ000115_33.0331.C31
Gene No.	102647	Strand	-
Start	117	End	461
Name	OJ000115_33.0331.C31.o1.gp	Method	AAT/GAP
Start	237	End	461
GI	568884	Score	385
Exons	237..461		

Seq. No.	48192	Seq. ID	OJ000115_33.0331.C32
Gene No.	102648	Strand	-
Start	1244	End	2985
Name	OJ000115_33.0331.C32.o1.np	Method	AAT/NAP
Start	1244	End	2894
GI	137476	Score	732
Exons	1244..1373, 2452..2737, 2816..2894		
GI Descrip.	VACUOLAR ATP SYNTHASE 16 KD PROTEOLIPID SUBUNIT gi|82334|pir||A40814 H+-transporting ATPase (EC 3.6.1.35) proteolipid chain, vacuolar - oat gi|166549|gb|AAA32712.1| (M73232) H+-ATPase [Avena sativa]		

Seq. No.	48192	Seq. ID	OJ000115_33.0331.C32
Gene No.	102648	Strand	-
Start	1244	End	2985
Name	OJ000115_33.0331.C32.o1.gp	Method	AAT/GAP
Start	1315	End	2985
GI	15143_1.R1084	Score	978
Exons	1315..1373, 2452..2737, 2816..2985		
GI Descrip.	'137476/sp|P23957|VATL_AVESA 8.0e-60 VACUOLAR ATP SYNTHASE 16 KD PROTEOLIPID SUBUNIT >gi_82334_pir__A40814 H+-transporting ATPase (EC 3.6.1.35) proteolipid chain, vacuolar - oat >gi_166549 (M73232) H+-ATPase [Avena sativa]'		

Seq. No.	48192	Seq. ID	OJ000115_33.0331.C32
Gene No.	102649	Strand	-
Start	3983	End	4188
Name	OJ000115_33.0331.C32.o1.tm	Method	TBLASTX:Maize
Start	1233	End	2898
GI	none	Score	218
Exons	1233..1376, 1236..1373, 1238..1375, 1241..1396, 2451..2735, 2524..2691, 2812..2898, 2814..2876		

Seq. No.	48192	Seq. ID	OJ000115_33.0331.C32

Gene No.	102649	Strand	-
Start	3983	End	4188
Name	OJ000115_33.0331.C32.o1.tc	Method	TBLASTX:Cress
Start	1241	End	2889
GI	none	Score	167
Exons	1241..1375, 1245..1427, 2451..2735, 2524..2691, 2812..2889, 2814..2876		

Seq. No.	48192	Seq. ID	OJ000115_33.0331.C32
Gene No.	102649	Strand	-
Start	3983	End	4188
Name	OJ000115_33.0331.C32.o2.tw	Method	TBLASTX:Wheat
Start	1241	End	1376
GI	none	Score	193
Exons	1241..1375, 1242..1376		

Seq. No.	48192	Seq. ID	OJ000115_33.0331.C32
Gene No.	102649	Strand	-
Start	3983	End	4188
Name	OJ000115_33.0331.C32.o1.ts	Method	TBLASTX:Soybean
Start	1247	End	2883
GI	none	Score	183
Exons	1247..1375, 1248..1427, 2451..2735, 2524..2691, 2812..2883, 2814..2876		

Seq. No.	48192	Seq. ID	OJ000115_33.0331.C32
Gene No.	102649	Strand	-
Start	3983	End	4188
Name	OJ000115_33.0331.C32.o1.tw	Method	TBLASTX:Wheat
Start	2472	End	2892
GI	none	Score	245
Exons	2472..2735, 2524..2691, 2812..2892, 2814..2876		

Seq. No.	48192	Seq. ID	OJ000115_33.0331.C32
Gene No.	102649	Strand	-
Start	3983	End	4188
Name	OJ000115_33.0331.C32.o2.gs	Method	GENSCAN
Start	3983	End	4188
GI	none	Score	.56
Exons	3983..4188		

Seq. No.	48193	Seq. ID	OJ000115_33.0331.C37
Gene No.	102650	Strand	+
Start	491	End	1134
Name	OJ000115_33.0331.C37.o1.np	Method	AAT/NAP
Start	491	End	1134
GI	2498930	Score	745
Exons	491..550, 718..1134		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	48194	Seq. ID	OJ000115_33.0331.C38
Gene No.	102651	Strand	+
Start	1	End	3162
Name	OJ000115_33.0331.C38.o1.gp	Method	AAT/GAP
Start	1	End	86
GI	32474_1.R1084	Score	164

Exons	1..86		
GI Descrip.	'2224663/dbj|BAA20816| 5.0e-44 (AB002359) KIAA0361 [Homo sapiens]'		

Seq. No.	48194	Seq. ID	OJ000115_33.0331.C38
Gene No.	102651	Strand	+
Start	1	End	3162
Name	OJ000115_33.0331.C38.o1.np	Method	AAT/NAP
Start	1	End	784
GI	6939228	Score	1122
Exons	1..784		
GI Descrip.	(AC020579) putative phosphoribosylformylglycinamidine synthase [Arabidopsis thaliana]		

Seq. No.	48194	Seq. ID	OJ000115_33.0331.C38
Gene No.	102651	Strand	+
Start	1	End	3162
Name	OJ000115_33.0331.C38.o1.tm	Method	TBLASTX:Maize
Start	1	End	787
GI	none	Score	1278
Exons	1..762, 2..787, 2..787		

Seq. No.	48194	Seq. ID	OJ000115_33.0331.C38
Gene No.	102651	Strand	+
Start	1	End	3162
Name	OJ000115_33.0331.C38.o2.ts	Method	TBLASTX:Soybean
Start	1	End	252
GI	none	Score	181
Exons	1..249, 1..252, 2..250		

Seq. No.	48194	Seq. ID	OJ000115_33.0331.C38
Gene No.	102651	Strand	+
Start	1	End	3162
Name	OJ000115_33.0331.C38.o1.gs	Method	GENSCAN
Start	17	End	3151
GI	none	Score	.7
Exons	17..164, 327..470, 618..771, 1189..1323, 1374..1410, 1622..1682, 2169..3151		

Seq. No.	48194	Seq. ID	OJ000115_33.0331.C38
Gene No.	102651	Strand	+
Start	1	End	3162
Name	OJ000115_33.0331.C38.o1.tc	Method	TBLASTX:Cress
Start	151	End	658
GI	none	Score	240
Exons	151..297, 152..295, 152..310, 331..510, 341..508, 533..574, 580..657, 581..658		

Seq. No.	48194	Seq. ID	OJ000115_33.0331.C38
Gene No.	102651	Strand	+
Start	1	End	3162
Name	OJ000115_33.0331.C38.o3.ts	Method	TBLASTX:Soybean
Start	254	End	493
GI	none	Score	110
Exons	254..490, 256..492, 256..492, 341..493		

Seq. No.	48194	Seq. ID	OJ000115_33.0331.C38

Gene No.	102651	Strand	+
Start	1	End	3162
Name	OJ000115_33.0331.C38.o2.np	Method	AAT/NAP
Start	2220	End	3162
GI	3337095	Score	548
Exons	2220..3162		
GI Descrip.	(AB016206) polygalacturonase inhibitor (PGIP) [Citrus iyo]		

Seq. No.	48194	Seq. ID	OJ000115_33.0331.C38
Gene No.	102651	Strand	+
Start	1	End	3162
Name	OJ000115_33.0331.C38.o1.ts	Method	TBLASTX:Soybean
Start	2292	End	3160
GI	none	Score	77
Exons	2292..2387, 2507..2659, 2561..2737, 2666..2962, 2668..2796, 2672..2800, 2741..2797, 2846..2950, 2891..3004, 2978..3157, 3035..3160, 3038..3157, 3053..3103		

Seq. No.	48194	Seq. ID	OJ000115_33.0331.C38
Gene No.	102651	Strand	+
Start	1	End	3162
Name	OJ000115_33.0331.C38.o2.tc	Method	TBLASTX:Cress
Start	2292	End	3157
GI	none	Score	75
Exons	2292..2390, 2633..2806, 2666..2812, 2678..2962, 2678..2740, 2689..2961, 2834..2932, 2903..3004, 2960..3091, 3113..3157		

Seq. No.	48194	Seq. ID	OJ000115_33.0331.C38
Gene No.	102651	Strand	+
Start	1	End	3162
Name	OJ000115_33.0331.C38.o2.tm	Method	TBLASTX:Maize
Start	2618	End	3142
GI	none	Score	34
Exons	2618..2653, 2678..2782, 2687..2794, 2689..2814, 2690..2815, 2759..2815, 2822..2875, 2822..2962, 2822..2962, 2827..2967, 2903..2986, 2962..3087, 2963..3142, 2963..3142, 3032..3106		

Seq. No.	48195	Seq. ID	OJ000115_33.0331.C39
Gene No.	102652	Strand	+
Start	1	End	1149
Name	OJ000115_33.0331.C39.o1.np	Method	AAT/NAP
Start	1	End	227
GI	3978578	Score	190
Exons	1..227		
GI Descrip.	(AB020528) Polygalacturonase inhibitor [Poncirus trifoliata]		

Seq. No.	48195	Seq. ID	OJ000115_33.0331.C39
Gene No.	102652	Strand	+
Start	1	End	1149
Name	OJ000115_33.0331.C39.o1.gs	Method	GENSCAN
Start	3	End	1149
GI	none	Score	.9
Exons	3..143, 755..952, 988..1149		

Seq. No.	48196	Seq. ID	OJ000115_33.0331.C42
Gene No.	102653	Strand	+
Start	1	End	357

Name	OJ000115_33.0331.C42.o1.gp	Method	AAT/GAP
Start	1	End	357
GI	23131_1.R1084	Score	485
Exons	1..29, 118..357		
GI Descrip.	'2088652 9.0e-95 (AF002109) 26S proteasome regulatory subunit S12 isolog [Arabidopsis thaliana] >gi_2351376 (U54561) translation initiation factor eIF2 p47 subunit homolog [Arabidopsis thaliana]'		

Seq. No.	48196	Seq. ID	OJ000115_33.0331.C42
Gene No.	102654	Strand	-
Start	26	End	138
Name	OJ000115_33.0331.C42.o1.gs	Method	GENSCAN
Start	26	End	138
GI	none	Score	1
Exons	26..138		

Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102655	Strand	+
Start	160	End	634
Name	OJ000125_20.0303.C2.o1.gs	Method	GENSCAN
Start	160	End	634
GI	none	Score	.97
Exons	160..354, 416..634		

Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102656	Strand	+
Start	8590	End	8724
Name	OJ000125_20.0303.C2.o1.gp	Method	AAT/GAP
Start	8590	End	8724
GI	21474_1.R1084	Score	229
Exons	8590..8724		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102657	Strand	-
Start	4228	End	6102
Name	OJ000125_20.0303.C2.o3.gs	Method	GENSCAN
Start	4228	End	6102
GI	none	Score	.99
Exons	4228..6102		

Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102658	Strand	-
Start	9072	End	14076
Name	OJ000125_20.0303.C2.o3.tm	Method	TBLASTX:Maize
Start	2905	End	3150
GI	none	Score	126
Exons	2905..3150, 2908..3093, 2975..3148		

Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102658	Strand	-
Start	9072	End	14076
Name	OJ000125_20.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	3175	End	4192
GI	none	Score	398

Exons	3175..3285, 3310..3441, 3574..4185, 3578..4174, 4043..4192, 4057..4185		
Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102658	Strand	-
Start	9072	End	14076
Name	OJ000125_20.0303.C2.o2.tw	Method	TBLASTX:Wheat
Start	3403	End	4356
GI	none	Score	88
Exons	3403..3639, 3434..3568, 4147..4248, 4150..4356		
Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102658	Strand	-
Start	9072	End	14076
Name	OJ000125_20.0303.C2.o2.tm	Method	TBLASTX:Maize
Start	5674	End	6066
GI	none	Score	252
Exons	5674..6066, 5675..6058, 5704..6060		
Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102658	Strand	-
Start	9072	End	14076
Name	OJ000125_20.0303.C2.o1.tc	Method	TBLASTX:Cress
Start	5728	End	6105
GI	none	Score	128
Exons	5728..5940, 5735..5914, 5914..6105, 5915..6043		
Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102658	Strand	-
Start	9072	End	14076
Name	OJ000125_20.0303.C2.o4.gs	Method	GENSCAN
Start	9072	End	12769
GI	none	Score	.69
Exons	9072..9257, 9337..9435, 9530..9602, 9687..9797, 9894..10067, 10177..10862, 10864..11006, 11132..11273, 11348..12376, 12395..12769		
Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102658	Strand	-
Start	9072	End	14076
Name	OJ000125_20.0303.C2.o4.np	Method	AAT/NAP
Start	9093	End	12784
GI	4680204	Score	1037
Exons	9093..9227, 9578..9797, 9894..10067, 10177..11273, 11348..12784		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102658	Strand	-
Start	9072	End	14076
Name	OJ000125_20.0303.C2.o3.tw	Method	TBLASTX:Wheat
Start	9728	End	10250
GI	none	Score	68
Exons	9728..9799, 9899..10081, 9906..10031, 10170..10250		
Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102658	Strand	-
Start	9072	End	14076

Name	OJ000125_20.0303.C2.o1.tw	Method	TBLASTX:Wheat
Start	11738	End	12141
GI	none	Score	86
Exons	11738..11908, 11871..12038, 11903..12139, 11990..12139, 12001..12141, 12025..12141		

Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102658	Strand	-
Start	9072	End	14076
Name	OJ000125_20.0303.C2.o6.np	Method	AAT/NAP
Start	12255	End	14076
GI	7494310	Score	43
Exons	12255..12319, 13656..13815, 14042..14076		
GI Descrip.	hypothetical protein PFB0680w - malaria parasite (Plasmodium falciparum) gi|3845248|gb|AAC71925.1| (AE001410) hypothetical protein [Plasmodium falciparum]		

Seq. No.	48197	Seq. ID	OJ000125_20.0303.C2
Gene No.	102658	Strand	-
Start	9072	End	14076
Name	OJ000125_20.0303.C2.o5.gs	Method	GENSCAN
Start	13663	End	14076
GI	none	Score	.88
Exons	13663..14076		

Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o1.gp	Method	AAT/GAP
Start	57	End	3660
GI	342_1.R1084	Score	6042
Exons	57..576, 686..790, 909..3660		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o5.gp	Method	AAT/GAP
Start	230	End	3660
GI	342_1.R1084	Score	5735
Exons	230..576, 686..790, 909..3660		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o6.gp	Method	AAT/GAP
Start	234	End	3660
GI	342_1.R1084	Score	5727
Exons	234..576, 686..790, 909..3660		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-

Start	57	End	3660
Name	OJ000125_20.0303.C3.o4.gp	Method	AAT/GAP
Start	239	End	3660
GI	342_1.R1084	Score	5717
Exons	239..576, 686..790, 909..3660		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o1.gs	Method	GENSCAN
Start	993	End	3446
GI	none	Score	.88
Exons	993..3446		

Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o1.tw	Method	TBLASTX:Wheat
Start	1068	End	2385
GI	none	Score	131
Exons	1068..1160, 1149..1229, 1242..1382, 1243..1383, 1330..1425, 1362..1421, 1428..1472, 1428..1472, 1467..2384, 1482..1799, 1498..2385		

Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o1.np	Method	AAT/NAP
Start	1552	End	3512
GI	6742729	Score	3159
Exons	1552..3512		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o1.tc	Method	TBLASTX:Cress
Start	1650	End	2101
GI	none	Score	188
Exons	1650..2087, 1650..2093, 1654..2097, 1660..2097, 1919..2101		

Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o2.tm	Method	TBLASTX:Maize
Start	2028	End	2342
GI	none	Score	68
Exons	2028..2258, 2028..2342, 2056..2331		

Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o3.tw	Method	TBLASTX:Wheat
Start	2386	End	2796
GI	none	Score	81

Exons	2386..2472, 2388..2477, 2388..2471, 2481..2723, 2545..2727, 2733..2795, 2746..2796		
Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o2.ts	Method	TBLASTX:Soybean
Start	2829	End	3071
GI	none	Score	210
Exons	2829..3071		
Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	2901	End	3359
GI	none	Score	103
Exons	2901..3095, 3105..3359, 3105..3347		
Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o2.tw	Method	TBLASTX:Wheat
Start	2935	End	3404
GI	none	Score	171
Exons	2935..3141, 2935..3144, 2940..3164, 3144..3242, 3145..3237, 3246..3350, 3250..3339, 3351..3404, 3352..3396		
Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o2.tc	Method	TBLASTX:Cress
Start	3192	End	3540
GI	none	Score	88
Exons	3192..3533, 3211..3348, 3376..3540		
Seq. No.	48198	Seq. ID	OJ000125_20.0303.C3
Gene No.	102659	Strand	-
Start	57	End	3660
Name	OJ000125_20.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	3273	End	3659
GI	none	Score	122
Exons	3273..3569, 3291..3515, 3564..3626, 3627..3659		
Seq. No.	48199	Seq. ID	OJ000125_20.0303.C4
Gene No.	102660	Strand	-
Start	1	End	763
Name	OJ000125_20.0303.C4.o1.np	Method	AAT/NAP
Start	1	End	315
GI	5852182	Score	410
Exons	1..315		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	48199	Seq. ID	OJ000125_20.0303.C4
Gene No.	102660	Strand	-
Start	1	End	763
Name	OJ000125_20.0303.C4.o1.gp	Method	AAT/GAP

Start	179	End	763
GI	2310235	Score	297
Exons	179..315, 726..763		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102661	Strand	+
Start	1	End	1572
Name	OJ000125_20.0303.C5.o1.np	Method	AAT/NAP
Start	1	End	1572
GI	7303636	Score	146
Exons	1..37, 733..1572		
GI Descrip.	(AE003826) CG13214 gene product [Drosophila melanogaster]		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102662	Strand	+
Start	16963	End	17416
Name	OJ000125_20.0303.C5.o1.gp	Method	AAT/GAP
Start	16963	End	17416
GI	none	Score	849
Exons	16963..17416		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102663	Strand	-
Start	1	End	15164
Name	OJ000125_20.0303.C5.o4.np	Method	AAT/NAP
Start	1	End	4369
GI	5932557	Score	158
Exons	1..40, 3980..4369		
GI Descrip.	(AC009465) hypothetical protein, contains DnaJ motif: prokaryotic heat shock protein motif [Arabidopsis thaliana]		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102663	Strand	-
Start	1	End	15164
Name	OJ000125_20.0303.C5.o1.gs	Method	GENSCAN
Start	617	End	15164
GI	none	Score	.43
Exons	617..1405, 1762..1892, 2801..2981, 3301..3490, 4073..4257, 5678..6334, 6661..6765, 7116..7420, 7485..7893, 8107..8438, 8566..8591, 8652..8976, 9339..9501, 9620..9658, 9734..9851, 10527..10585, 13589..13660, 15007..15049, 15061..15164		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102663	Strand	-
Start	1	End	15164
Name	OJ000125_20.0303.C5.o2.np	Method	AAT/NAP
Start	1371	End	4404
GI	6437559	Score	149
Exons	1371..1413, 4005..4404		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102663	Strand	-
Start	1	End	15164
Name	OJ000125_20.0303.C5.o5.np	Method	AAT/NAP

Start	5735	End	9014
GI	4755194	Score	292
Exons	5735..5882, 7185..7450, 8716..9014		
GI Descrip.	(AC007018) hypothetical protein [Arabidopsis thaliana] gi|4755195|gb|AAD29062.1|AC007018_10 (AC007018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102664	Strand	-
Start	17403	End	20612
Name	OJ000125_20.0303.C5.o7.np	Method	AAT/NAP
Start	17403	End	20612
GI	6437559	Score	693
Exons	17403..17624, 18561..19371, 19483..19618, 19838..20612		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102665	Strand	-
Start	22090	End	24767
Name	OJ000125_20.0303.C5.o8.np	Method	AAT/NAP
Start	22090	End	24767
GI	7340868	Score	129
Exons	22090..22309, 22888..23079, 24728..24767		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102666	Strand	-
Start	27201	End	27984
Name	OJ000125_20.0303.C5.o3.tm	Method	TBLASTX:Maize
Start	2165	End	17733
GI	none	Score	147
Exons	2165..2254, 2323..2343, 2388..2426, 5744..6019, 5756..6016, 5835..6020, 8364..8480, 8368..8529, 8371..8520, 8520..8594, 8522..8593, 17414..17647, 17415..17732, 17433..17732, 17554..17733		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102666	Strand	-
Start	27201	End	27984
Name	OJ000125_20.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	2682	End	18958
GI	none	Score	74
Exons	2682..2834, 2847..2942, 2847..2939, 6023..6121, 6158..6277, 6909..7463, 6960..7460, 7027..7464, 7088..7471, 7097..7471, 7456..7584, 7462..7584, 7485..7592, 8603..8659, 8741..8866, 17742..17798, 17886..18005, 18270..18344, 18282..18950, 18287..18361, 18382..18942, 18393..18950, 18443..18958		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102666	Strand	-
Start	27201	End	27984
Name	OJ000125_20.0303.C5.o2.tm	Method	TBLASTX:Maize
Start	4028	End	20577
GI	none	Score	68
Exons	4028..4126, 4159..4233, 4238..4348, 4247..4324, 4321..4362, 20163..20576, 20164..20577		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102666	Strand	-
Start	27201	End	27984
Name	OJ000125_20.0303.C5.o2.tw	Method	TBLASTX:Wheat
Start	4066	End	20429
GI	none	Score	123
Exons	4066..4119, 4159..4272, 20217..20429, 20257..20427		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102666	Strand	-
Start	27201	End	27984
Name	OJ000125_20.0303.C5.o1.tc	Method	TBLASTX:Cress
Start	4159	End	20616
GI	none	Score	153
Exons	4159..4233, 20238..20447, 20275..20421, 20424..20615, 20425..20616		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102666	Strand	-
Start	27201	End	27984
Name	OJ000125_20.0303.C5.o1.ts	Method	TBLASTX:Soybean
Start	4159	End	20543
GI	none	Score	120
Exons	4159..4233, 4253..4324, 20307..20417, 20308..20421, 20310..20450, 20424..20543		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102666	Strand	-
Start	27201	End	27984
Name	OJ000125_20.0303.C5.o1.tw	Method	TBLASTX:Wheat
Start	5744	End	18770
GI	none	Score	59
Exons	5744..5881, 5756..5902, 5912..6028, 6026..6091, 7128..7205, 7290..7316, 7308..7415, 8371..8478, 8528..8668, 17457..17618, 17617..17802, 17628..17807, 18663..18770		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102666	Strand	-
Start	27201	End	27984
Name	OJ000125_20.0303.C5.o3.ts	Method	TBLASTX:Soybean
Start	6020	End	18881
GI	none	Score	57
Exons	6020..6091, 7083..7184, 7242..7385, 7401..7448, 8389..8415, 8440..8517, 8603..8665, 17541..17609, 17724..17804, 17829..17870, 17958..18002, 18432..18539, 18597..18767, 18768..18881		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102666	Strand	-
Start	27201	End	27984
Name	OJ000125_20.0303.C5.o2.tc	Method	TBLASTX:Cress
Start	6023	End	18884
GI	none	Score	201
Exons	6023..6121, 6152..6205, 7215..7451, 8591..8716, 8717..8794, 17724..17849, 17883..17933, 18570..18884		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5

Gene No.	102666	Strand	-
Start	27201	End	27984
Name	OJ000125_20.0303.C5.o4.tm	Method	TBLASTX:Maize
Start	26565	End	27686
GI	none	Score	70
Exons	26565..26609, 27208..27279, 27210..27269, 27214..27276, 27473..27532, 27474..27533, 27478..27534, 27530..27682, 27531..27683, 27531..27686, 27532..27684		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102666	Strand	-
Start	27201	End	27984
Name	OJ000125_20.0303.C5.o9.np	Method	AAT/NAP
Start	27201	End	27984
GI	6223641	Score	202
Exons	27201..27270, 27477..27683, 27918..27984		
GI Descrip.	(AC011698) putative T-complex protein 1, theta subunit (TCP-1-Theta) [Arabidopsis thaliana]		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102666	Strand	-
Start	27201	End	27984
Name	OJ000125_20.0303.C5.o2.ts	Method	TBLASTX:Soybean
Start	27208	End	27685
GI	none	Score	69
Exons	27208..27279, 27210..27263, 27477..27533, 27479..27532, 27530..27685, 27530..27682		

Seq. No.	48200	Seq. ID	OJ000125_20.0303.C5
Gene No.	102666	Strand	-
Start	27201	End	27984
Name	OJ000125_20.0303.C5.o3.tc	Method	TBLASTX:Cress
Start	27477	End	27684
GI	none	Score	56
Exons	27477..27533, 27479..27532, 27530..27682, 27531..27683, 27535..27684		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102667	Strand	+
Start	15112	End	16042
Name	OJ000125_20.0303.C6.o3.gs	Method	GENSCAN
Start	15112	End	16042
GI	none	Score	.72
Exons	15112..15403, 15921..16042		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102668	Strand	-
Start	297	End	3974
Name	OJ000125_20.0303.C6.o1.np	Method	AAT/NAP
Start	297	End	3974
GI	6223641	Score	756
Exons	297..391, 492..614, 688..765, 846..1033, 1824..2089, 2183..2330, 2404..2660, 3938..3974		
GI Descrip.	(AC011698) putative T-complex protein 1, theta subunit (TCP-1-Theta) [Arabidopsis thaliana]		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6

Gene No.	102669	Strand	-
Start	7164	End	8624
Name	OJ000125_20.0303.C6.o2.np	Method	AAT/NAP
Start	7164	End	8624
GI	4191774	Score	1528
Exons	7164..8624		
GI Descrip.	(AC005917) putative beta-1,3-glucanase [Arabidopsis thaliana]		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102670	Strand	-
Start	9626	End	14818
Name	OJ000125_20.0303.C6.o4.ts	Method	TBLASTX:Soybean
Start	289	End	742
GI	none	Score	67
Exons	289..387, 290..388, 296..394, 297..389, 469..615, 491..628, 492..626, 492..650, 685..738, 686..742		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102670	Strand	-
Start	9626	End	14818
Name	OJ000125_20.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	348	End	2662
GI	none	Score	65
Exons	348..392, 350..400, 350..394, 492..614, 494..628, 499..615, 685..750, 686..763, 691..765, 698..763, 843..917, 849..920, 1909..1932, 1937..1999, 1937..1999, 1950..2000, 2001..2054, 2002..2064, 2002..2046, 2022..2072, 2066..2107, 2182..2217, 2183..2230, 2184..2228, 2196..2327, 2235..2327, 2404..2424, 2432..2488, 2433..2489, 2433..2489, 2437..2490, 2497..2547, 2504..2548, 2509..2661, 2545..2661, 2546..2662, 2549..2662		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102670	Strand	-
Start	9626	End	14818
Name	OJ000125_20.0303.C6.o2.ts	Method	TBLASTX:Soybean
Start	843	End	2662
GI	none	Score	64
Exons	843..917, 1927..1995, 1937..1999, 2002..2046, 2022..2072, 2066..2107, 2220..2327, 2247..2327, 2404..2424, 2422..2478, 2430..2489, 2497..2547, 2504..2548, 2515..2655, 2545..2661, 2546..2662		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102670	Strand	-
Start	9626	End	14818
Name	OJ000125_20.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	1937	End	2662
GI	none	Score	76
Exons	1937..1999, 2002..2046, 2066..2107, 2183..2230, 2196..2327, 2220..2327, 2430..2489, 2433..2489, 2497..2547, 2501..2548, 2545..2661, 2546..2662		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102670	Strand	-
Start	9626	End	14818
Name	OJ000125_20.0303.C6.o5.ts	Method	TBLASTX:Soybean
Start	7260	End	7557

GI	none	Score	61
Exons	7260..7298, 7296..7493, 7321..7482, 7513..7557, 7515..7556		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102670	Strand	-
Start	9626	End	14818
Name	OJ000125_20.0303.C6.o3.tc	Method	TBLASTX:Cress
Start	7287	End	7473
GI	none	Score	74
Exons	7287..7472, 7321..7473		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102670	Strand	-
Start	9626	End	14818
Name	OJ000125_20.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	7296	End	8105
GI	none	Score	128
Exons	7296..7484, 7321..7482, 7491..7562, 7504..7563, 7590..7709, 7591..7698, 7719..7943, 7720..7914, 7947..8105, 8002..8070		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102670	Strand	-
Start	9626	End	14818
Name	OJ000125_20.0303.C6.o3.ts	Method	TBLASTX:Soybean
Start	7719	End	7943
GI	none	Score	158
Exons	7719..7943, 7720..7935		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102670	Strand	-
Start	9626	End	14818
Name	OJ000125_20.0303.C6.o2.tc	Method	TBLASTX:Cress
Start	7872	End	8313
GI	none	Score	48
Exons	7872..7943, 7882..7935, 7947..8018, 8014..8118, 8016..8117, 8121..8312, 8143..8313		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102670	Strand	-
Start	9626	End	14818
Name	OJ000125_20.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	8047	End	8564
GI	none	Score	40
Exons	8047..8118, 8121..8360, 8143..8352, 8352..8564, 8386..8553		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102670	Strand	-
Start	9626	End	14818
Name	OJ000125_20.0303.C6.o3.tm	Method	TBLASTX:Maize
Start	8166	End	8561
GI	none	Score	115
Exons	8166..8561, 8167..8313, 8386..8553, 8433..8558		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102670	Strand	-
Start	9626	End	14818
Name	OJ000125_20.0303.C6.o4.tc	Method	TBLASTX:Cress

Start	8352	End	8561
GI	none	Score	102
Exons	8352..8561, 8383..8550		

Seq. No.	48201	Seq. ID	OJ000125_20.0303.C6
Gene No.	102670	Strand	-
Start	9626	End	14818
Name	OJ000125_20.0303.C6.o2.gs	Method	GENSCAN
Start	9626	End	14818
GI	none	Score	.74
Exons	9626..9688, 10083..10235, 10320..10433, 10529..10641, 11511..11605, 13559..13853, 13975..14023, 14056..14262, 14378..14818		

Seq. No.	48202	Seq. ID	OJ000125_20.0303.C8
Gene No.	102671	Strand	-
Start	1	End	938
Name	OJ000125_20.0303.C8.o1.np	Method	AAT/NAP
Start	1	End	938
GI	6721550	Score	151
Exons	1..38, 507..938		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	48202	Seq. ID	OJ000125_20.0303.C8
Gene No.	102671	Strand	-
Start	1	End	938
Name	OJ000125_20.0303.C8.o1.gs	Method	GENSCAN
Start	75	End	849
GI	none	Score	.77
Exons	75..849		

Seq. No.	48202	Seq. ID	OJ000125_20.0303.C8
Gene No.	102671	Strand	-
Start	1	End	938
Name	OJ000125_20.0303.C8.o1.tm	Method	TBLASTX:Maize
Start	520	End	790
GI	none	Score	145
Exons	520..789, 532..789, 539..790		

Seq. No.	48203	Seq. ID	OJ000125_20.0303.C9
Gene No.	102672	Strand	+
Start	744	End	2267
Name	OJ000125_20.0303.C9.o1.gs	Method	GENSCAN
Start	744	End	2267
GI	none	Score	.81
Exons	744..906, 2076..2151, 2255..2267		

Seq. No.	48204	Seq. ID	OJ000125_20.0303.C10
Gene No.	102673	Strand	+
Start	1488	End	5572
Name	OJ000125_20.0303.C10.o1.np	Method	AAT/NAP
Start	1488	End	5572
GI	6721550	Score	237
Exons	1488..1639, 3443..3532, 4585..5572		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	48205	Seq. ID	OJ000125_20.0303.C11

Gene No.	102674	Strand	+
Start	526	End	1829
Name	OJ000125_20.0303.C11.o1.gs	Method	GENSCAN
Start	526	End	1829
GI	none	Score	.69
Exons	526..755, 1743..1829		

Seq. No.	48205	Seq. ID	OJ000125_20.0303.C11
Gene No.	102675	Strand	+
Start	3062	End	4467
Name	OJ000125_20.0303.C11.o2.gs	Method	GENSCAN
Start	3062	End	4467
GI	none	Score	.7
Exons	3062..3215, 3306..3459, 3613..3694, 3701..3838, 3904..4467		

Seq. No.	48205	Seq. ID	OJ000125_20.0303.C11
Gene No.	102676	Strand	+
Start	8929	End	9708
Name	OJ000125_20.0303.C11.o2.np	Method	AAT/NAP
Start	8929	End	9708
GI	6907088	Score	341
Exons	8929..9066, 9216..9453, 9617..9708		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	48205	Seq. ID	OJ000125_20.0303.C11
Gene No.	102677	Strand	+
Start	9610	End	9708
Name	OJ000125_20.0303.C11.o3.np	Method	AAT/NAP
Start	9610	End	9708
GI	6069659	Score	119
Exons	9610..9708		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	48205	Seq. ID	OJ000125_20.0303.C11
Gene No.	102678	Strand	-
Start	5885	End	6739
Name	OJ000125_20.0303.C11.o1.np	Method	AAT/NAP
Start	5391	End	5520
GI	5852093	Score	78
Exons	5391..5520		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	48205	Seq. ID	OJ000125_20.0303.C11
Gene No.	102678	Strand	-
Start	5885	End	6739
Name	OJ000125_20.0303.C11.o3.gs	Method	GENSCAN
Start	5885	End	6739
GI	none	Score	.55
Exons	5885..6739		

Seq. No.	48205	Seq. ID	OJ000125_20.0303.C11
Gene No.	102679	Strand	-
Start	8406	End	8997
Name	OJ000125_20.0303.C11.o1.tm	Method	TBLASTX:Maize
Start	6080	End	6442
GI	none	Score	81
Exons	6080..6442, 6081..6275, 6101..6421, 6202..6441		

Seq. No.	48205	Seq. ID	OJ000125_20.0303.C11
Gene No.	102679	Strand	-
Start	8406	End	8997
Name	OJ000125_20.0303.C11.o1.tw	Method	TBLASTX:Wheat
Start	6674	End	6887
GI	none	Score	183
Exons	6674..6883, 6678..6887		

Seq. No.	48205	Seq. ID	OJ000125_20.0303.C11
Gene No.	102679	Strand	-
Start	8406	End	8997
Name	OJ000125_20.0303.C11.o4.gs	Method	GENSCAN
Start	8406	End	8997
GI	none	Score	.71
Exons	8406..8479, 8943..8997		

Seq. No.	48206	Seq. ID	OJ000125_11.0310.C7
Gene No.	102680	Strand	+
Start	1757	End	1823
Name	OJ000125_11.0310.C7.o1.gp	Method	AAT/GAP
Start	1757	End	1823
GI	uC-osroM202024h08a1	Score	87
Exons	1757..1823		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	48207	Seq. ID	OJ000125_11.0310.C13
Gene No.	102681	Strand	
Start	872	End	1327
Name	OJ000125_11.0310.C13.o1.tw	Method	TBLASTX:Wheat
Start	872	End	1327
GI	none	Score	134
Exons	872..1048, 1093..1296, 1097..1327		

Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102682	Strand	
Start	1	End	165
Name	OJ000125_11.0310.C14.o7.tw	Method	TBLASTX:Wheat
Start	1	End	165
GI	none	Score	201
Exons	1..165, 3..164		

Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102683	Strand	
Start	109	End	645
Name	OJ000125_11.0310.C14.o2.tm	Method	TBLASTX:Maize
Start	109	End	492
GI	none	Score	323
Exons	109..492, 261..491		

Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102683	Strand	
Start	109	End	645
Name	OJ000125_11.0310.C14.o1.tw	Method	TBLASTX:Wheat
Start	166	End	587
GI	none	Score	431

Exons	166..585, 213..587, 264..584		
Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102683	Strand	
Start	109	End	645
Name	OJ000125_11.0310.C14.o1.ts	Method	TBLASTX:Soybean
Start	244	End	645
GI	none	Score	312
Exons	244..645, 261..404, 277..558, 441..617		
Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102684	Strand	
Start	594	End	879
Name	OJ000125_11.0310.C14.o5.tw	Method	TBLASTX:Wheat
Start	594	End	879
GI	none	Score	50
Exons	594..644, 595..876, 604..702, 787..879		
Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102685	Strand	
Start	871	End	1301
Name	OJ000125_11.0310.C14.o2.ts	Method	TBLASTX:Soybean
Start	871	End	1258
GI	none	Score	87
Exons	871..975, 879..965, 1011..1085, 1015..1086, 1020..1088, 1118..1258, 1134..1256		
Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102685	Strand	
Start	871	End	1301
Name	OJ000125_11.0310.C14.o3.tw	Method	TBLASTX:Wheat
Start	880	End	1301
GI	none	Score	205
Exons	880..1086, 885..1085, 1085..1225, 1086..1301		
Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102685	Strand	
Start	871	End	1301
Name	OJ000125_11.0310.C14.o4.tm	Method	TBLASTX:Maize
Start	933	End	1205
GI	none	Score	113
Exons	933..1181, 934..1086, 1107..1205		
Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102686	Strand	
Start	1317	End	1658
Name	OJ000125_11.0310.C14.o6.tw	Method	TBLASTX:Wheat
Start	1317	End	1658
GI	none	Score	131
Exons	1317..1451, 1505..1591, 1518..1658		
Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102687	Strand	
Start	1614	End	3393
Name	OJ000125_11.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	1614	End	1976
GI	none	Score	420

Exons	1614..1922, 1637..1921, 1929..1976		
Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102687	Strand	
Start	1614	End	3393
Name	OJ000125_11.0310.C14.o2.tw	Method	TBLASTX:Wheat
Start	1752	End	3393
GI	none	Score	396
Exons	1752..2132, 1752..2006, 1757..2134, 3286..3393		
Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102687	Strand	
Start	1614	End	3393
Name	OJ000125_11.0310.C14.o5.tm	Method	TBLASTX:Maize
Start	2078	End	2351
GI	none	Score	99
Exons	2078..2185, 2079..2177, 2168..2242, 2172..2252, 2265..2351		
Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102687	Strand	
Start	1614	End	3393
Name	OJ000125_11.0310.C14.o4.tw	Method	TBLASTX:Wheat
Start	2136	End	2734
GI	none	Score	224
Exons	2136..2378, 2141..2227, 2282..2377, 2447..2611, 2603..2734		
Seq. No.	48208	Seq. ID	OJ000125_11.0310.C14
Gene No.	102687	Strand	
Start	1614	End	3393
Name	OJ000125_11.0310.C14.o3.tm	Method	TBLASTX:Maize
Start	2441	End	2695
GI	none	Score	154
Exons	2441..2614, 2461..2613, 2593..2694, 2594..2695		
Seq. No.	48209	Seq. ID	OJ000125_11.0310.C20
Gene No.	102688	Strand	
Start	719	End	1285
Name	OJ000125_11.0310.C20.o2.tm	Method	TBLASTX:Maize
Start	719	End	965
GI	none	Score	48
Exons	719..751, 719..760, 753..935, 753..965		
Seq. No.	48209	Seq. ID	OJ000125_11.0310.C20
Gene No.	102688	Strand	
Start	719	End	1285
Name	OJ000125_11.0310.C20.o1.tw	Method	TBLASTX:Wheat
Start	774	End	1176
GI	none	Score	44
Exons	774..1163, 967..1014, 990..1163, 1033..1176		
Seq. No.	48209	Seq. ID	OJ000125_11.0310.C20
Gene No.	102688	Strand	
Start	719	End	1285
Name	OJ000125_11.0310.C20.o1.tm	Method	TBLASTX:Maize
Start	969	End	1285
GI	none	Score	72
Exons	969..1172, 1093..1176, 1096..1176, 1175..1285, 1215..1280		

Seq. No.	48210	Seq. ID	OJ000125_11.0310.C24
Gene No.	102689	Strand	-
Start	3160	End	3435
Name	OJ000125_11.0310.C24.o1.gp	Method	AAT/GAP
Start	3160	End	3435
GI	uC-osf1cyp053f07a1	Score	348
Exons	3160..3435		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	48211	Seq. ID	OJ000125_11.0310.C32
Gene No.	102690	Strand	+
Start	1	End	380
Name	OJ000125_11.0310.C32.o1.gp	Method	AAT/GAP
Start	1	End	380
GI	5816562	Score	561
Exons	1..380		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	48212	Seq. ID	OJ000125_11.0310.C35
Gene No.	102691	Strand	
Start	695	End	976
Name	OJ000125_11.0310.C35.o2.tm	Method	TBLASTX:Maize
Start	695	End	970
GI	none	Score	186
Exons	695..970, 706..852		

Seq. No.	48212	Seq. ID	OJ000125_11.0310.C35
Gene No.	102691	Strand	
Start	695	End	976
Name	OJ000125_11.0310.C35.o3.tw	Method	TBLASTX:Wheat
Start	698	End	976
GI	none	Score	221
Exons	698..976, 698..868, 700..873		

Seq. No.	48212	Seq. ID	OJ000125_11.0310.C35
Gene No.	102692	Strand	
Start	1963	End	2379
Name	OJ000125_11.0310.C35.o2.tw	Method	TBLASTX:Wheat
Start	1963	End	2379
GI	none	Score	135
Exons	1963..2172, 2013..2111, 2194..2379, 2223..2378		

Seq. No.	48212	Seq. ID	OJ000125_11.0310.C35
Gene No.	102693	Strand	
Start	2542	End	2990
Name	OJ000125_11.0310.C35.o1.tw	Method	TBLASTX:Wheat
Start	2542	End	2990
GI	none	Score	374
Exons	2542..2889, 2646..2897, 2886..2990, 2891..2980		

Seq. No.	48212	Seq. ID	OJ000125_11.0310.C35
Gene No.	102693	Strand	
Start	2542	End	2990
Name	OJ000125_11.0310.C35.o1.tm	Method	TBLASTX:Maize

Start	2553	End	2843
GI	none	Score	88
Exons	2553..2834, 2553..2591, 2554..2841, 2650..2805, 2652..2843		

Seq. No.	48213	Seq. ID	OJ000125_11.0310.C36
Gene No.	102694	Strand	
Start	154	End	573
Name	OJ000125_11.0310.C36.o1.ts	Method	TBLASTX:Soybean
Start	154	End	573
GI	none	Score	48
Exons	154..186, 155..187, 204..398, 313..399, 435..572, 435..572, 439..573		

Seq. No.	48214	Seq. ID	OJ000125_11.0310.C39
Gene No.	102695	Strand	
Start	1	End	240
Name	OJ000125_11.0310.C39.o2.tm	Method	TBLASTX:Maize
Start	1	End	240
GI	none	Score	36
Exons	1..24, 29..235, 29..220, 46..240, 84..227		

Seq. No.	48214	Seq. ID	OJ000125_11.0310.C39
Gene No.	102695	Strand	
Start	1	End	240
Name	OJ000125_11.0310.C39.o2.tw	Method	TBLASTX:Wheat
Start	1	End	235
GI	none	Score	40
Exons	1..24, 16..216, 28..174, 29..235, 29..220		

Seq. No.	48214	Seq. ID	OJ000125_11.0310.C39
Gene No.	102696	Strand	
Start	275	End	926
Name	OJ000125_11.0310.C39.o1.tw	Method	TBLASTX:Wheat
Start	275	End	801
GI	none	Score	533
Exons	275..766, 356..760, 547..765, 766..801		

Seq. No.	48214	Seq. ID	OJ000125_11.0310.C39
Gene No.	102696	Strand	
Start	275	End	926
Name	OJ000125_11.0310.C39.o1.ts	Method	TBLASTX:Soybean
Start	590	End	849
GI	none	Score	175
Exons	590..763, 595..756, 748..849, 781..846		

Seq. No.	48214	Seq. ID	OJ000125_11.0310.C39
Gene No.	102696	Strand	
Start	275	End	926
Name	OJ000125_11.0310.C39.o1.tm	Method	TBLASTX:Maize
Start	649	End	926
GI	none	Score	157
Exons	649..765, 650..766, 766..924, 777..926		

Seq. No.	48215	Seq. ID	OJ000125_11.0310.C40
Gene No.	102697	Strand	+
Start	1	End	540
Name	OJ000125_11.0310.C40.o1.gp	Method	AAT/GAP

Start	1	End	540
GI	8873_1.R1084	Score	525
Exons	1..29, 138..303, 411..540		
GI Descrip.	'3319357 1.0e-133 (AF077407) contains similarity to phosphoenolpyruvate synthase (ppsA) (GB:AE001056) [Arabidopsis thaliana]'		

Seq. No.	48216	Seq. ID	OJ000125_11.0310.C42
Gene No.	102698	Strand	
Start	408	End	746
Name	OJ000125_11.0310.C42.o1.ts	Method	TBLASTX:Soybean
Start	408	End	746
GI	none	Score	68
Exons	408..530, 410..547, 534..668, 580..651, 684..740, 684..746		

Seq. No.	48217	Seq. ID	OJ000125_11.0310.C46
Gene No.	102699	Strand	+
Start	1	End	223
Name	OJ000125_11.0310.C46.o1.gp	Method	AAT/GAP
Start	1	End	223
GI	LIB3433-003-Q6-K6-G8	Score	387
Exons	1..223		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-25 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	48218	Seq. ID	OJ000125_11.0310.C48
Gene No.	102700	Strand	-
Start	960	End	2747
Name	OJ000125_11.0310.C48.o1.gp	Method	AAT/GAP
Start	960	End	2726
GI	8873_1.R1084	Score	759
Exons	960..1041, 1117..1203, 1288..1374, 2445..2562, 2656..2726		
GI Descrip.	'3319357 1.0e-133 (AF077407) contains similarity to phosphoenolpyruvate synthase (ppsA) (GB:AE001056) [Arabidopsis thaliana]'		

Seq. No.	48218	Seq. ID	OJ000125_11.0310.C48
Gene No.	102700	Strand	-
Start	960	End	2747
Name	OJ000125_11.0310.C48.o1.tm	Method	TBLASTX:Maize
Start	964	End	2731
GI	none	Score	40
Exons	964..996, 964..1044, 1000..1044, 1115..1204, 1117..1206, 1117..1203, 1285..1380, 1287..1376, 1288..1377, 1325..1384, 2430..2561, 2440..2565, 2442..2567, 2617..2727, 2618..2722, 2631..2726, 2660..2731		

Seq. No.	48218	Seq. ID	OJ000125_11.0310.C48
Gene No.	102700	Strand	-
Start	960	End	2747
Name	OJ000125_11.0310.C48.o1.tc	Method	TBLASTX:Cress
Start	975	End	2747
GI	none	Score	52
Exons	975..1043, 991..1044, 1117..1203, 1121..1246, 1285..1380, 1346..1378, 2433..2567, 2440..2547, 2469..2564, 2586..2726, 2647..2721, 2658..2747		

Seq. No.	48219	Seq. ID	OJ000125_07.0303.C4
Gene No.	102701	Strand	-
Start	153	End	323
Name	OJ000125_07.0303.C4.o1.gp	Method	AAT/GAP
Start	153	End	323
GI	2310235	Score	242
Exons	153..323		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	48220	Seq. ID	OJ000125_07.0303.C7
Gene No.	102702	Strand	+
Start	1612	End	2121
Name	OJ000125_07.0303.C7.o1.gp	Method	AAT/GAP
Start	1612	End	2121
GI	38782_1.R1084	Score	817
Exons	1612..2121		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	48220	Seq. ID	OJ000125_07.0303.C7
Gene No.	102703	Strand	+
Start	4498	End	4762
Name	OJ000125_07.0303.C7.o2.gp	Method	AAT/GAP
Start	4498	End	4762
GI	2310235	Score	396
Exons	4498..4762		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	48220	Seq. ID	OJ000125_07.0303.C7
Gene No.	102704	Strand	
Start	4937	End	5342
Name	OJ000125_07.0303.C7.o1.tw	Method	TBLASTX:Wheat
Start	4937	End	5342
GI	none	Score	64
Exons	4937..5209, 4939..5079, 4941..5177, 5172..5342		

Seq. No.	48221	Seq. ID	OJ000125_07.0303.C8
Gene No.	102705	Strand	+
Start	11812	End	12109
Name	OJ000125_07.0303.C8.o1.gp	Method	AAT/GAP
Start	11812	End	12109
GI	61605_3.R1084	Score	437
Exons	11812..12109		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	48221	Seq. ID	OJ000125_07.0303.C8
Gene No.	102706	Strand	+
Start	13084	End	13820
Name	OJ000125_07.0303.C8.o2.gp	Method	AAT/GAP
Start	13084	End	13820
GI	101153_1.R1084	Score	378
Exons	13084..13333, 13719..13820		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	48222	Seq. ID	OJ000125_07.0303.C12
Gene No.	102707	Strand	
Start	1258	End	2257
Name	OJ000125_07.0303.C12.o2.tw	Method	TBLASTX:Wheat
Start	1258	End	1485
GI	none	Score	150
Exons	1258..1485, 1264..1485		

Seq. No.	48222	Seq. ID	OJ000125_07.0303.C12
Gene No.	102707	Strand	
Start	1258	End	2257
Name	OJ000125_07.0303.C12.o1.tm	Method	TBLASTX:Maize
Start	1285	End	1762
GI	none	Score	69
Exons	1285..1356, 1285..1350, 1352..1393, 1354..1392, 1379..1540, 1390..1761, 1391..1762		

Seq. No.	48222	Seq. ID	OJ000125_07.0303.C12
Gene No.	102707	Strand	
Start	1258	End	2257
Name	OJ000125_07.0303.C12.o1.tw	Method	TBLASTX:Wheat
Start	1486	End	1890
GI	none	Score	320
Exons	1486..1890, 1505..1888		

Seq. No.	48222	Seq. ID	OJ000125_07.0303.C12
Gene No.	102707	Strand	
Start	1258	End	2257
Name	OJ000125_07.0303.C12.o2.tm	Method	TBLASTX:Maize
Start	1780	End	2257
GI	none	Score	54
Exons	1780..1878, 1780..1914, 1835..1915, 1891..2103, 1914..2126, 1935..2126, 2126..2257, 2139..2237		

Seq. No.	48223	Seq. ID	OJ000125_07.0303.C13
Gene No.	102708	Strand	
Start	3263	End	3742
Name	OJ000125_07.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	3263	End	3685
GI	none	Score	95
Exons	3263..3427, 3269..3418, 3424..3684, 3437..3685, 3437..3685		

Seq. No.	48223	Seq. ID	OJ000125_07.0303.C13
Gene No.	102708	Strand	
Start	3263	End	3742
Name	OJ000125_07.0303.C13.o2.tw	Method	TBLASTX:Wheat
Start	3290	End	3742
GI	none	Score	102
Exons	3290..3421, 3424..3489, 3493..3711, 3512..3742		

Seq. No.	48223	Seq. ID	OJ000125_07.0303.C13
Gene No.	102708	Strand	
Start	3263	End	3742
Name	OJ000125_07.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	3389	End	3663
GI	none	Score	136

Exons	3389..3421, 3424..3663, 3427..3660, 3524..3661		
Seq. No.	48223	Seq. ID	OJ000125_07.0303.C13
Gene No.	102709	Strand	
Start	3735	End	4185
Name	OJ000125_07.0303.C13.o2.tm	Method	TBLASTX:Maize
Start	3735	End	4185
GI	none	Score	74
Exons	3735..3986, 3740..4051, 3748..4065, 3776..4051, 4027..4185		
Seq. No.	48223	Seq. ID	OJ000125_07.0303.C13
Gene No.	102709	Strand	
Start	3735	End	4185
Name	OJ000125_07.0303.C13.o1.tw	Method	TBLASTX:Wheat
Start	3838	End	4182
GI	none	Score	223
Exons	3838..4182		
Seq. No.	48224	Seq. ID	OJ000125_07.0303.C14
Gene No.	102710	Strand	-
Start	3771	End	3973
Name	OJ000125_07.0303.C14.o1.gp	Method	AAT/GAP
Start	3771	End	3973
GI	35479_1.R1084	Score	371
Exons	3771..3973		
GI Descrip.	'2982431/emb|CAA18239.1| 2.0e-31 (AL022224) leucine rich repeat-like protein [Arabidopsis thaliana]'		
Seq. No.	48225	Seq. ID	OJ000125_07.0303.C15
Gene No.	102711	Strand	-
Start	4309	End	4735
Name	OJ000125_07.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	559	End	834
GI	none	Score	243
Exons	559..834, 562..753		
Seq. No.	48225	Seq. ID	OJ000125_07.0303.C15
Gene No.	102711	Strand	-
Start	4309	End	4735
Name	OJ000125_07.0303.C15.o1.gp	Method	AAT/GAP
Start	4309	End	4735
GI	4878407	Score	672
Exons	4309..4735		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		
Seq. No.	48226	Seq. ID	OJ000125_07.0303.C16
Gene No.	102712	Strand	+
Start	419	End	1008
Name	OJ000125_07.0303.C16.o1.gp	Method	AAT/GAP
Start	419	End	1008
GI	2310235	Score	299
Exons	419..456, 869..1008		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	48226	Seq. ID	OJ000125_07.0303.C16

Gene No.	102713	Strand	+
Start	2089	End	2182
Name	OJ000125_07.0303.C16.o2.gp	Method	AAT/GAP
Start	2089	End	2182
GI	21474_1.R1084	Score	136
Exons	2089..2182		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	48227	Seq. ID	OJ000125_07.0303.C20
Gene No.	102714	Strand	+
Start	322	End	824
Name	OJ000125_07.0303.C20.o1.gp	Method	AAT/GAP
Start	322	End	824
GI	38782_1.R1084	Score	780
Exons	322..824		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	48228	Seq. ID	OJ000125_07.0303.C26
Gene No.	102715	Strand	-
Start	12844	End	13240
Name	OJ000125_07.0303.C26.o1.tw	Method	TBLASTX:Wheat
Start	10457	End	10951
GI	none	Score	88
Exons	10457..10732, 10772..10951		

Seq. No.	48228	Seq. ID	OJ000125_07.0303.C26
Gene No.	102715	Strand	-
Start	12844	End	13240
Name	OJ000125_07.0303.C26.o1.gp	Method	AAT/GAP
Start	12844	End	13240
GI	LIB3434-005-P1-K1-H8	Score	536
Exons	12844..13240		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	48229	Seq. ID	OJ000125_07.0303.C29
Gene No.	102716	Strand	
Start	1326	End	1595
Name	OJ000125_07.0303.C29.o1.tw	Method	TBLASTX:Wheat
Start	1326	End	1595
GI	none	Score	190
Exons	1326..1490, 1346..1456, 1347..1478, 1488..1595		

Seq. No.	48230	Seq. ID	OJ000125_07.0303.C30
Gene No.	102717	Strand	-
Start	1	End	867
Name	OJ000125_07.0303.C30.o1.gp	Method	AAT/GAP
Start	1	End	867
GI	342_1.R1084	Score	1313
Exons	1..867		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	48230	Seq. ID	OJ000125_07.0303.C30
Gene No.	102717	Strand	-

Start	1	End	867
Name	OJ000125_07.0303.C30.o1.tw	Method	TBLASTX:Wheat
Start	3	End	560
GI	none	Score	141
Exons	3..170, 11..154, 163..204, 164..211, 212..307, 216..275, 254..394, 255..395, 408..488, 477..560		

Seq. No.	48230	Seq. ID	OJ000125_07.0303.C30
Gene No.	102717	Strand	-
Start	1	End	867
Name	OJ000125_07.0303.C30.o2.gp	Method	AAT/GAP
Start	263	End	707
GI	LIB3431-028-P1-N1-A10	Score	762
Exons	263..609, 637..707		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	48231	Seq. ID	OJ000125_02.0303.C4
Gene No.	102718	Strand	+
Start	1	End	928
Name	OJ000125_02.0303.C4.o2.gp	Method	AAT/GAP
Start	1	End	928
GI	342_1.R1084	Score	1163
Exons	1..77, 113..132, 215..312, 422..928		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	48231	Seq. ID	OJ000125_02.0303.C4
Gene No.	102719	Strand	-
Start	1	End	68
Name	OJ000125_02.0303.C4.o1.gp	Method	AAT/GAP
Start	1	End	68
GI	LIB3431-028-P1-N1-A10	Score	136
Exons	1..68		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	48232	Seq. ID	OJ000125_02.0303.C9
Gene No.	102720	Strand	+
Start	1405	End	1546
Name	OJ000125_02.0303.C9.o1.gp	Method	AAT/GAP
Start	1405	End	1546
GI	LIB3477-003-P1-K1-E9	Score	96
Exons	1405..1461, 1523..1546		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	48233	Seq. ID	OJ000125_02.0303.C12
Gene No.	102721	Strand	+
Start	70	End	198
Name	OJ000125_02.0303.C12.o1.gp	Method	AAT/GAP
Start	70	End	198
GI	1427_1.R1084	Score	176
Exons	70..198		
GI Descrip.	'4504379/ref|NP_003658.1|pHG38| 2.0e-13 G protein-coupled receptor 49 >gi_3366802 (AF062006) orphan G protein-coupled		

receptor HG38 [Homo sapiens]'

Seq. No.	48234	Seq. ID	OJ000125_02.0303.C17
Gene No.	102722	Strand	
Start	175	End	570
Name	OJ000125_02.0303.C17.o1.ts	Method	TBLASTX:Soybean
Start	175	End	465
GI	none	Score	103
Exons	175..240, 247..465, 251..457		

Seq. No.	48234	Seq. ID	OJ000125_02.0303.C17
Gene No.	102722	Strand	
Start	175	End	570
Name	OJ000125_02.0303.C17.o1.tw	Method	TBLASTX:Wheat
Start	237	End	570
GI	none	Score	187
Exons	237..488, 247..498, 248..490, 273..497, 481..570		

Seq. No.	48235	Seq. ID	OJ000125_02.0303.C18
Gene No.	102723	Strand	+
Start	10604	End	10728
Name	OJ000125_02.0303.C18.o1.ts	Method	TBLASTX:Soybean
Start	1662	End	2088
GI	none	Score	84
Exons	1662..1826, 1675..1827, 1855..1956, 1951..2010, 2014..2088		

Seq. No.	48235	Seq. ID	OJ000125_02.0303.C18
Gene No.	102723	Strand	+
Start	10604	End	10728
Name	OJ000125_02.0303.C18.o1.tw	Method	TBLASTX:Wheat
Start	2006	End	2371
GI	none	Score	142
Exons	2006..2185, 2013..2189, 2018..2179, 2020..2199, 2171..2236, 2190..2243, 2193..2363, 2270..2371		

Seq. No.	48235	Seq. ID	OJ000125_02.0303.C18
Gene No.	102723	Strand	+
Start	10604	End	10728
Name	OJ000125_02.0303.C18.o1.gp	Method	AAT/GAP
Start	10604	End	10728
GI	1427_1.R1084	Score	166
Exons	10604..10728		
GI Descrip.	'4504379/ref|NP_003658.1|pHG38| 2.0e-13 G protein-coupled receptor 49 >gi_3366802 (AF062006) orphan G protein-coupled receptor HG38 [Homo sapiens]'		

Seq. No.	48235	Seq. ID	OJ000125_02.0303.C18
Gene No.	102724	Strand	
Start	14066	End	14434
Name	OJ000125_02.0303.C18.o1.tc	Method	TBLASTX:Cress
Start	14066	End	14293
GI	none	Score	125
Exons	14066..14293, 14072..14293		

Seq. No.	48235	Seq. ID	OJ000125_02.0303.C18
Gene No.	102724	Strand	
Start	14066	End	14434

Name	OJ000125_02.0303.C18.o2.ts	Method	TBLASTX:Soybean
Start	14066	End	14434
GI	none	Score	193
Exons	14066..14317, 14072..14293, 14178..14306, 14408..14434		

Seq. No.	48236	Seq. ID	OJ000125_02.0303.C19
Gene No.	102725	Strand	
Start	618	End	1405
Name	OJ000125_02.0303.C19.o2.tm	Method	TBLASTX:Maize
Start	618	End	1405
GI	none	Score	48
Exons	618..734, 643..747, 646..738, 702..737, 758..919, 758..817, 771..908, 772..900, 792..917, 793..891, 794..916, 795..878, 801..911, 811..930, 1015..1071, 1021..1071, 1024..1101, 1036..1128, 1036..1128, 1090..1269, 1091..1174, 1119..1274, 1120..1269, 1129..1284, 1131..1277, 1186..1242, 1295..1405		

Seq. No.	48236	Seq. ID	OJ000125_02.0303.C19
Gene No.	102726	Strand	
Start	3361	End	3860
Name	OJ000125_02.0303.C19.o1.tm	Method	TBLASTX:Maize
Start	3361	End	3707
GI	none	Score	236
Exons	3361..3615, 3492..3608, 3612..3707		

Seq. No.	48236	Seq. ID	OJ000125_02.0303.C19
Gene No.	102726	Strand	
Start	3361	End	3860
Name	OJ000125_02.0303.C19.o1.tw	Method	TBLASTX:Wheat
Start	3382	End	3805
GI	none	Score	274
Exons	3382..3624, 3426..3635, 3492..3626, 3621..3803, 3623..3805		

Seq. No.	48236	Seq. ID	OJ000125_02.0303.C19
Gene No.	102726	Strand	
Start	3361	End	3860
Name	OJ000125_02.0303.C19.o1.ts	Method	TBLASTX:Soybean
Start	3436	End	3860
GI	none	Score	185
Exons	3436..3624, 3495..3620, 3633..3860, 3671..3703		

Seq. No.	48236	Seq. ID	OJ000125_02.0303.C19
Gene No.	102727	Strand	
Start	3809	End	4094
Name	OJ000125_02.0303.C19.o2.tw	Method	TBLASTX:Wheat
Start	3809	End	4094
GI	none	Score	67
Exons	3809..3877, 3810..3878, 3882..4094, 3885..4004, 3890..4087		

Seq. No.	48237	Seq. ID	OJ000125_02.0303.C25
Gene No.	102728	Strand	-
Start	3840	End	4121
Name	OJ000125_02.0303.C25.o1.gp	Method	AAT/GAP
Start	3840	End	4121
GI	none	Score	444
Exons	3840..4121		

Seq. No.	48237	Seq. ID	OJ000125_02.0303.C25
Gene No.	102729	Strand	
Start	4083	End	4360
Name	OJ000125_02.0303.C25.o3.tm	Method	TBLASTX:Maize
Start	4083	End	4360
GI	none	Score	76
Exons	4083..4169, 4085..4159, 4232..4360		

Seq. No.	48237	Seq. ID	OJ000125_02.0303.C25
Gene No.	102729	Strand	
Start	4083	End	4360
Name	OJ000125_02.0303.C25.o2.ts	Method	TBLASTX:Soybean
Start	4088	End	4360
GI	none	Score	60
Exons	4088..4159, 4092..4160, 4229..4360, 4278..4319		

Seq. No.	48237	Seq. ID	OJ000125_02.0303.C25
Gene No.	102730	Strand	
Start	4472	End	5170
Name	OJ000125_02.0303.C25.o2.tm	Method	TBLASTX:Maize
Start	4472	End	4748
GI	none	Score	140
Exons	4472..4615, 4477..4581, 4494..4634, 4499..4597, 4683..4748		

Seq. No.	48237	Seq. ID	OJ000125_02.0303.C25
Gene No.	102730	Strand	
Start	4472	End	5170
Name	OJ000125_02.0303.C25.o1.ts	Method	TBLASTX:Soybean
Start	4535	End	5110
GI	none	Score	95
Exons	4535..4597, 4566..4631, 4802..4966, 4817..4990, 5042..5110		

Seq. No.	48237	Seq. ID	OJ000125_02.0303.C25
Gene No.	102730	Strand	
Start	4472	End	5170
Name	OJ000125_02.0303.C25.o1.tm	Method	TBLASTX:Maize
Start	4811	End	5170
GI	none	Score	65
Exons	4811..4876, 4817..4861, 4850..4990, 4851..4982, 5042..5116, 5117..5170		

Seq. No.	48238	Seq. ID	OJ000125_02.0303.C26
Gene No.	102731	Strand	
Start	2402	End	5563
Name	OJ000125_02.0303.C26.o4.tw	Method	TBLASTX:Wheat
Start	2779	End	3048
GI	none	Score	114
Exons	2779..2814, 2828..3025, 2869..3048, 2890..3048		

Seq. No.	48238	Seq. ID	OJ000125_02.0303.C26
Gene No.	102731	Strand	
Start	2402	End	5563
Name	OJ000125_02.0303.C26.o2.tm	Method	TBLASTX:Maize
Start	5267	End	5563
GI	none	Score	284
Exons	5267..5536, 5267..5563		

Seq. No.	48239	Seq. ID	OJ000125_02.0303.C27
Gene No.	102732	Strand	-
Start	304	End	1965
Name	OJ000125_02.0303.C27.o1.gp	Method	AAT/GAP
Start	304	End	1965
GI	3761970	Score	1049
Exons	304..585, 1696..1965		

Seq. No.	48239	Seq. ID	OJ000125_02.0303.C27
Gene No.	102733	Strand	-
Start	2578	End	3129
Name	OJ000125_02.0303.C27.o2.tm	Method	TBLASTX:Maize
Start	1726	End	1940
GI	none	Score	47
Exons	1726..1932, 1729..1830, 1730..1936, 1770..1940, 1871..1933, 1884..1937		

Seq. No.	48239	Seq. ID	OJ000125_02.0303.C27
Gene No.	102733	Strand	-
Start	2578	End	3129
Name	OJ000125_02.0303.C27.o2.ts	Method	TBLASTX:Soybean
Start	1741	End	2455
GI	none	Score	42
Exons	1741..1944, 1772..1960, 2176..2208, 2242..2406, 2243..2407, 2291..2404, 2321..2455, 2384..2455		

Seq. No.	48239	Seq. ID	OJ000125_02.0303.C27
Gene No.	102733	Strand	-
Start	2578	End	3129
Name	OJ000125_02.0303.C27.o4.tm	Method	TBLASTX:Maize
Start	2013	End	2332
GI	none	Score	65
Exons	2013..2090, 2027..2095, 2105..2152, 2113..2202, 2115..2153, 2215..2319, 2215..2331, 2222..2332, 2231..2332		

Seq. No.	48239	Seq. ID	OJ000125_02.0303.C27
Gene No.	102733	Strand	-
Start	2578	End	3129
Name	OJ000125_02.0303.C27.o1.tw	Method	TBLASTX:Wheat
Start	2230	End	2576
GI	none	Score	138
Exons	2230..2409, 2231..2410, 2243..2410, 2318..2569, 2408..2569, 2439..2576		

Seq. No.	48239	Seq. ID	OJ000125_02.0303.C27
Gene No.	102733	Strand	-
Start	2578	End	3129
Name	OJ000125_02.0303.C27.o1.tm	Method	TBLASTX:Maize
Start	2333	End	2711
GI	none	Score	150
Exons	2333..2623, 2333..2617, 2621..2710, 2622..2711		

Seq. No.	48239	Seq. ID	OJ000125_02.0303.C27
Gene No.	102733	Strand	-
Start	2578	End	3129
Name	OJ000125_02.0303.C27.o1.ts	Method	TBLASTX:Soybean
Start	2456	End	2693

GI	none	Score	95
Exons	2456..2692, 2457..2597, 2628..2693		

Seq. No.	48239	Seq. ID	OJ000125_02.0303.C27
Gene No.	102733	Strand	-
Start	2578	End	3129
Name	OJ000125_02.0303.C27.o2.gp	Method	AAT/GAP
Start	2578	End	3128
GI	none	Score	1059
Exons	2578..3128		

Seq. No.	48239	Seq. ID	OJ000125_02.0303.C27
Gene No.	102733	Strand	-
Start	2578	End	3129
Name	OJ000125_02.0303.C27.o3.tm	Method	TBLASTX:Maize
Start	2713	End	3129
GI	none	Score	47
Exons	2713..2736, 2715..2735, 2717..2788, 2802..2858, 2808..2987, 2809..3018, 2854..3003, 2855..3019, 2861..3022, 2865..3023, 3017..3088, 3018..3128, 3019..3096, 3028..3129		

Seq. No.	48240	Seq. ID	OJ000125_02.0303.C28
Gene No.	102734	Strand	+
Start	684	End	791
Name	OJ000125_02.0303.C28.o1.gp	Method	AAT/GAP
Start	684	End	791
GI	426500	Score	179
Exons	684..791		

Seq. No.	48241	Seq. ID	OJ000125_02.0303.C29
Gene No.	102735	Strand	
Start	1031	End	1362
Name	OJ000125_02.0303.C29.o2.tm	Method	TBLASTX:Maize
Start	1031	End	1362
GI	none	Score	79
Exons	1031..1177, 1183..1362, 1183..1308		

Seq. No.	48241	Seq. ID	OJ000125_02.0303.C29
Gene No.	102736	Strand	
Start	1474	End	2061
Name	OJ000125_02.0303.C29.o1.tm	Method	TBLASTX:Maize
Start	1474	End	1958
GI	none	Score	546
Exons	1474..1956, 1488..1775, 1594..1899, 1848..1958		

Seq. No.	48241	Seq. ID	OJ000125_02.0303.C29
Gene No.	102736	Strand	
Start	1474	End	2061
Name	OJ000125_02.0303.C29.o1.tw	Method	TBLASTX:Wheat
Start	1579	End	2061
GI	none	Score	388
Exons	1579..2061, 1590..2018, 1699..2058		

Seq. No.	48241	Seq. ID	OJ000125_02.0303.C29
Gene No.	102736	Strand	
Start	1474	End	2061
Name	OJ000125_02.0303.C29.o1.ts	Method	TBLASTX:Soybean

Start	1615	End	1929
GI	none	Score	236
Exons	1615..1929, 1729..1923		

Seq. No.	48242	Seq. ID	OJ000125_02.0303.C30
Gene No.	102737	Strand	
Start	5	End	324
Name	OJ000125_02.0303.C30.o3.tm	Method	TBLASTX:Maize
Start	5	End	324
GI	none	Score	219
Exons	5..175, 6..176, 181..324, 216..293		

Seq. No.	48242	Seq. ID	OJ000125_02.0303.C30
Gene No.	102738	Strand	
Start	334	End	1171
Name	OJ000125_02.0303.C30.o4.tm	Method	TBLASTX:Maize
Start	334	End	558
GI	none	Score	181
Exons	334..558, 373..522, 441..536		

Seq. No.	48242	Seq. ID	OJ000125_02.0303.C30
Gene No.	102738	Strand	
Start	334	End	1171
Name	OJ000125_02.0303.C30.o3.tw	Method	TBLASTX:Wheat
Start	336	End	691
GI	none	Score	198
Exons	336..398, 337..564, 337..546, 447..563, 578..691, 634..690		

Seq. No.	48242	Seq. ID	OJ000125_02.0303.C30
Gene No.	102738	Strand	
Start	334	End	1171
Name	OJ000125_02.0303.C30.o1.ts	Method	TBLASTX:Soybean
Start	560	End	931
GI	none	Score	345
Exons	560..931, 577..930		

Seq. No.	48242	Seq. ID	OJ000125_02.0303.C30
Gene No.	102738	Strand	
Start	334	End	1171
Name	OJ000125_02.0303.C30.o1.tm	Method	TBLASTX:Maize
Start	578	End	1159
GI	none	Score	729
Exons	578..1159, 611..1129, 634..1158		

Seq. No.	48242	Seq. ID	OJ000125_02.0303.C30
Gene No.	102738	Strand	
Start	334	End	1171
Name	OJ000125_02.0303.C30.o2.tw	Method	TBLASTX:Wheat
Start	779	End	1171
GI	none	Score	296
Exons	779..1171, 871..1158		

Seq. No.	48242	Seq. ID	OJ000125_02.0303.C30
Gene No.	102739	Strand	
Start	2343	End	3162
Name	OJ000125_02.0303.C30.o2.tm	Method	TBLASTX:Maize
Start	2343	End	3162

GI	none	Score	122
Exons	2343..2519, 2373..2486, 2411..2518, 2536..2835, 2565..2825, 2566..2826, 2926..3111, 2952..3080, 2953..3108, 3121..3162		
Seq. No.	48242	Seq. ID	OJ000125_02.0303.C30
Gene No.	102739	Strand	
Start	2343	End	3162
Name	OJ000125_02.0303.C30.o1.tw	Method	TBLASTX:Wheat
Start	2370	End	2878
GI	none	Score	53
Exons	2370..2540, 2371..2481, 2400..2519, 2536..2835, 2547..2834, 2560..2835, 2633..2878, 2696..2848		
Seq. No.	48243	Seq. ID	OJ000125_02.0303.C33
Gene No.	102740	Strand	
Start	81	End	753
Name	OJ000125_02.0303.C33.o1.tm	Method	TBLASTX:Maize
Start	81	End	560
GI	none	Score	305
Exons	81..461, 128..457, 300..464, 463..549, 465..560		
Seq. No.	48243	Seq. ID	OJ000125_02.0303.C33
Gene No.	102740	Strand	
Start	81	End	753
Name	OJ000125_02.0303.C33.o1.tw	Method	TBLASTX:Wheat
Start	375	End	753
GI	none	Score	98
Exons	375..458, 378..461, 465..530, 466..555, 579..647, 580..753, 608..742		
Seq. No.	48244	Seq. ID	OJ000125_02.0303.C34
Gene No.	102741	Strand	+
Start	466	End	912
Name	OJ000125_02.0303.C34.o1.gp	Method	AAT/GAP
Start	466	End	912
GI	LIB3433-020-P1-K1-A6	Score	682
Exons	466..912		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	48245	Seq. ID	OJ000125_02.0303.C35
Gene No.	102742	Strand	+
Start	317	End	416
Name	OJ000125_02.0303.C35.o1.gp	Method	AAT/GAP
Start	317	End	416
GI	LIB3477-003-P1-K1-E9	Score	144
Exons	317..416		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	48245	Seq. ID	OJ000125_02.0303.C35
Gene No.	102743	Strand	+
Start	3114	End	5409
Name	OJ000125_02.0303.C35.o2.gp	Method	AAT/GAP
Start	3114	End	4132
GI	59728_1.R1084	Score	745

Exons	3114..3225, 3742..3824, 3922..4132		
GI Descrip.	'5230841/gb|AAD41039.1|AF112538_1 7.0e-31 (AF112538) actin [Malva pusilla]'		

Seq. No.	48245	Seq. ID	OJ000125_02.0303.C35
Gene No.	102743	Strand	+
Start	3114	End	5409
Name	OJ000125_02.0303.C35.o1.tm	Method	TBLASTX:Maize
Start	3711	End	5160
GI	none	Score	103
Exons	3711..3824, 3718..3837, 3764..3835, 3919..4317, 3919..4317, 3921..4328, 4342..5004, 4379..4444, 4389..5030, 4505..5002, 5076..5159, 5091..5159, 5092..5160		

Seq. No.	48245	Seq. ID	OJ000125_02.0303.C35
Gene No.	102743	Strand	+
Start	3114	End	5409
Name	OJ000125_02.0303.C35.o3.gp	Method	AAT/GAP
Start	3726	End	4653
GI	305_3.R1084	Score	868
Exons	3726..3824, 3922..4315, 4390..4653		
GI Descrip.	'1531674 1.0e-97 (U68462) actin [Striga asiatica]'		

Seq. No.	48245	Seq. ID	OJ000125_02.0303.C35
Gene No.	102743	Strand	+
Start	3114	End	5409
Name	OJ000125_02.0303.C35.o1.ts	Method	TBLASTX:Soybean
Start	3762	End	5203
GI	none	Score	60
Exons	3762..3800, 3783..3836, 3803..3835, 3919..4317, 3919..4317, 3921..4328, 4379..4447, 4389..5030, 4390..4491, 4505..5002, 5076..5168, 5090..5164, 5093..5203		

Seq. No.	48245	Seq. ID	OJ000125_02.0303.C35
Gene No.	102743	Strand	+
Start	3114	End	5409
Name	OJ000125_02.0303.C35.o1.tc	Method	TBLASTX:Cress
Start	3765	End	5159
GI	none	Score	108
Exons	3765..3824, 3765..3836, 3766..3840, 3779..3835, 3919..4317, 3919..4317, 3921..4328, 4360..4680, 4379..4447, 4388..5002, 4389..5030, 4390..4482, 4508..5002, 5076..5159, 5090..5158		

Seq. No.	48245	Seq. ID	OJ000125_02.0303.C35
Gene No.	102743	Strand	+
Start	3114	End	5409
Name	OJ000125_02.0303.C35.o1.tw	Method	TBLASTX:Wheat
Start	3919	End	4328
GI	none	Score	688
Exons	3919..4317, 3919..4317, 3921..4328		

Seq. No.	48245	Seq. ID	OJ000125_02.0303.C35
Gene No.	102743	Strand	+
Start	3114	End	5409
Name	OJ000125_02.0303.C35.o3.tw	Method	TBLASTX:Wheat
Start	4345	End	4676
GI	none	Score	178

Exons	4345..4671, 4379..4447, 4386..4673, 4389..4676, 4505..4675		
Seq. No.	48245	Seq. ID	OJ000125_02.0303.C35
Gene No.	102743	Strand	+
Start	3114	End	5409
Name	OJ000125_02.0303.C35.o4.gp	Method	AAT/GAP
Start	4525	End	5409
GI	305_2.R1084	Score	1451
Exons	4525..5003, 5094..5409		
GI Descrip.	'4139264 1.0e-83 (AF111812) actin [Brassica napus]'		
Seq. No.	48245	Seq. ID	OJ000125_02.0303.C35
Gene No.	102743	Strand	+
Start	3114	End	5409
Name	OJ000125_02.0303.C35.o2.tw	Method	TBLASTX:Wheat
Start	4677	End	5166
GI	none	Score	537
Exons	4677..5030, 4679..5002, 4698..5006, 5076..5165, 5090..5164, 5091..5165, 5092..5166		
Seq. No.	48246	Seq. ID	OJ000125_09.0303.C2
Gene No.	102744	Strand	
Start	13	End	126
Name	OJ000125_09.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	13	End	126
GI	none	Score	180
Exons	13..126, 13..120		
Seq. No.	48247	Seq. ID	OJ000125_09.0303.C4
Gene No.	102745	Strand	+
Start	751	End	831
Name	OJ000125_09.0303.C4.o1.gp	Method	AAT/GAP
Start	751	End	831
GI	38012_1.R1084	Score	106
Exons	751..831		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		
Seq. No.	48248	Seq. ID	OJ000125_09.0303.C6
Gene No.	102746	Strand	
Start	2	End	184
Name	OJ000125_09.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	2	End	184
GI	none	Score	227
Exons	2..184, 3..182		
Seq. No.	48248	Seq. ID	OJ000125_09.0303.C6
Gene No.	102747	Strand	
Start	201	End	593
Name	OJ000125_09.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	201	End	593
GI	none	Score	493
Exons	201..593, 206..589		
Seq. No.	48248	Seq. ID	OJ000125_09.0303.C6
Gene No.	102747	Strand	
Start	201	End	593

Name	OJ000125_09.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	281	End	593
GI	none	Score	355
Exons	281..589, 282..593		

Seq. No.	48248	Seq. ID	OJ000125_09.0303.C6
Gene No.	102748	Strand	
Start	680	End	1089
Name	OJ000125_09.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	680	End	1089
GI	none	Score	74
Exons	680..742, 743..1081, 817..1080, 940..1089		

Seq. No.	48249	Seq. ID	OJ000125_09.0303.C15
Gene No.	102749	Strand	
Start	390	End	630
Name	OJ000125_09.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	390	End	630
GI	none	Score	269
Exons	390..629, 391..630, 392..628		

Seq. No.	48250	Seq. ID	OJ000125_09.0303.C16
Gene No.	102750	Strand	
Start	1083	End	1518
Name	OJ000125_09.0303.C16.o1.tm	Method	TBLASTX:Maize
Start	1083	End	1434
GI	none	Score	371
Exons	1083..1265, 1144..1434, 1320..1403		

Seq. No.	48250	Seq. ID	OJ000125_09.0303.C16
Gene No.	102750	Strand	
Start	1083	End	1518
Name	OJ000125_09.0303.C16.o1.tc	Method	TBLASTX:Cress
Start	1144	End	1383
GI	none	Score	271
Exons	1144..1383, 1152..1262, 1320..1364		

Seq. No.	48250	Seq. ID	OJ000125_09.0303.C16
Gene No.	102750	Strand	
Start	1083	End	1518
Name	OJ000125_09.0303.C16.o1.ts	Method	TBLASTX:Soybean
Start	1144	End	1518
GI	none	Score	387
Exons	1144..1518, 1155..1262, 1326..1400, 1479..1514		

Seq. No.	48250	Seq. ID	OJ000125_09.0303.C16
Gene No.	102751	Strand	
Start	1507	End	2276
Name	OJ000125_09.0303.C16.o2.tm	Method	TBLASTX:Maize
Start	1507	End	2273
GI	none	Score	63
Exons	1507..1581, 2058..2099, 2109..2273, 2171..2245		

Seq. No.	48250	Seq. ID	OJ000125_09.0303.C16
Gene No.	102751	Strand	
Start	1507	End	2276
Name	OJ000125_09.0303.C16.o2.ts	Method	TBLASTX:Soybean